

8584

REPORT
ON THE
FOREST ADMINISTRATION
OF THE
CENTRAL PROVINCES
FOR THE YEAR.
1916-17

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No 186, dated Simla, the 3rd April 1918.

File No. 84 of
1918.

From—A. E. GILLIAT, Esq., I.C.S., Under Secretary to the Government of India,
Department of Revenue and Agriculture,

Serial No. 2.

To—The Hon'ble the Chief Commissioner of the Central Provinces.

I am directed to acknowledge the receipt of the Hon'ble Mr. Dyer's letter No. 26-A.—XV., dated the 1st March 1918, forwarding copies of the Report on Forest Administration in the Central Provinces for the year 1916-17, together with the resolution of the Chief Commissioner thereon.

2. The Government of India note with satisfaction the general progress of work and the steady improvement in the financial results, which has been noticeable for some years past, and they endorse your appreciation of the services of the Chief Conservator of Forests and of the efforts of the Department in coping with the extra work thrown on it in consequence of the war.

3. I am to add that the Government of India consider that the new form of the report is a distinct improvement on the old practice of printing the Conservator's reports separately with a review by the Chief Conservator.

Central Provinces Administration

FOREST DEPARTMENT

Nagpur, the 5th February 1918.

READ :—

Report by the Chief Conservator of Forests on Forest administration in the Central Provinces for the year 1916-17

RESOLUTION.

Though handicapped by the absence of a large portion of the Imperial staff, the Forest Department has been able during the year not merely to maintain steady progress in the development and management of the forests but also to cope successfully with the heavy extra duties which the war has imposed on it. The report of the Chief Conservator of Forests is a record of good work performed under difficulties, and the Chief Commissioner desires to congratulate Mr. Hill and his officers on the way in which these difficulties have been met.

2. Regarding the classification of forests, demarcation, survey and the preparation of working-plans, the Chief Commissioner has little to add to what the Chief Conservator says, but he would like to emphasise the importance of the work, which Mr. Hill mentions as now being done in Seoni, of the Forest Department and the Settlement staff co-operating to remove all discrepancies between the forest and village maps. The question affects all districts. Discrepancies are often merely paper ones arising from the forest and revenue surveys having been carried out by independent agencies, but real differences do exist, due either to one or other of the maps being wrong or to the faulty cutting of fire-lines on the ground, and they have in the past been a source of friction. Sir Benjamin Robertson therefore desires that at all settlements the verification and, where necessary, the reconciliation of joint forest and village boundaries should receive careful attention. The Chief Commissioner notices that the revised working-plans of the South and North Raipur Divisions are now ready and will shortly be submitted for sanction. Developments in the way of supplying the villages of the Chhattisgarh plain with fuel and small timber are very necessary, and it is trusted that progress can be made in this direction when the new working arrangements are introduced.

3. The war has brought home the importance of the forests in a way that was not fully realized before, and Sir Benjamin Robertson regards it as very false economy, even in a time of financial stringency, to starve them of the money which is essential for their exploitation in the interest of the country; and the ever increasing gross and net income they yield is full justification for incurring this most productive form of expenditure. During the year Rs. 81,933 more than in 1915-16 was spent on conservancy and works, the money being devoted to construction of communications and buildings and to other improvements.

The surplus revenue amounted to over 16 lakhs, although no charge was made for grass supplied for military requirements. In the past six years the surplus revenue has been more than doubled, the return for 1911-12 having been under seven and three-quarter lakhs.

4. The amount spent on communications is more than double that of last year, when the figure was abnormally low, and almost all the money spent on new works was, the Chief Commissioner is glad to observe, devoted to regular cart roads. The increase of such roads and the development of the general scheme of communications in the Province must for some time remain the chief method of facilitating the putting of forest produce on the market. The question of a service of Forest Engineers was raised during the year by the Government of India, but the Chief Commissioner has given it as his opinion that the nature of the Central Provinces forests is such that, while the deputation of an expert to examine the more important of them with a view to introducing more advanced methods of exploitation is a measure he would welcome, he is unable for the present to hold that the services of a special Engineer or Engineers are necessary.

In buildings there has also been a considerable rise in expenditure, due to past economy. Four-fifths of the new expenditure has been on the housing of the subordinate staff, but much still remains to be done in this direction. The Chief Commissioner regards this as an important part of the policy of development, as proper accommodation is essential for a contented staff, without which progress must be hampered.

5. The provision of water for cattle in dry grazing areas, to which reference was made in last year's Resolution, has received adequate attention. The experiments carried out with the damming of streams in the Nimar and Melghat Divisions are promising, and the Chief Commissioner has directed that this method should be tried in other Divisions where water is scarce, with a view to its general adoption where conditions permit. The experiments show that, provided proper care is taken in the selection of the site, an effective water-supply can be obtained throughout the hot weather at a trifling cost.

6. The total number of forest offences was almost the same as in the previous year; cases of unauthorised grazing increased by 480, while under the other chief heads there was a decline. Numerous reasons are assigned for local fluctuations, the most interesting being that military grass work, by withdrawing the staff from their regular duties, prevented the detection of offences. The Chief Commissioner notices that the number of cases in which rewards were given for the detection of offences was double the previous year's figures. He would repeat what he said two years ago that circumspection is needed in this respect, as the practice is obviously susceptible of abuse.

7. Mr. Hill's account of the results of fire protection is highly satisfactory. At a less cost than in 1915-16, the percentage of success has risen from 97 to 99 and the area burnt has fallen from 263 to 92 square miles. The rain in the hot weather months was favourable to saving the forests from fire, but the good results may also be attributed to the policy of excluding less valuable areas from regular protection and bringing them under the system of early burning, which is now reported to be generally well understood.

8. Except in Yeotmal, where the introduction of a new working-plan naturally caused a certain amount of initial discontent, which was partly justified and was allayed by modifications which experience of working showed to be called for, but which in certain cases was found to be engineered, the grazing rules appear to have worked smoothly on the whole. It is probable that they are now coming to be better understood, although their complexity, as remarked in last year's Resolution, is a drawback, which is almost inseparable from the grant of favoured rates to agriculturists. There was a small decline in the total number of animals grazed, for which many reasons, some economic and some seasonal, are given. More than half the animals grazed at less than full rates, a concession which, judged by the sum which would have been received had full rates been charged for all animals, amounted to as much as ten lakhs of rupees.

9. Mr. Hill gives an interesting account of the technical side of the Department's activities. The Chief Commissioner recognises the zeal with which he and

efforts to supplement the tanning materials of the Empire are of great importance, and the success of the Department in meeting the demand made in January for 20,000 tons of hay for the Army reflects the greatest credit on all concerned. The names of the officers who did good work in this connection have already been brought to the notice of the Government of India. Success was attained by the close co-operation of the Forest officials with the District authorities, and Sir Benjamin Robertson is confident that in the current year, when the needs of the Army have risen to over 70,000 tons, the Department will achieve equally good results.

10. The Chief Commissioner desires to acknowledge the attention which is constantly given, under Mr. Hill's guidance, to the wants of the people in so far as these can be met consistently with the proper preservation of the forests. In the previous year it was brought to light that serious discontent had been raised in the Damoh Division by certain ill-considered action which had been taken with a view to safeguarding and increasing the revenue. This state of affairs has now been put to rights, and the large reduction of 3,311 in the number of animals impounded in the Northern Circle, which is referred to in paragraph 13 of the review, is, the Chief Commissioner believes, an index of the altered methods which have been adopted in Damoh. The introduction of new working-plans has necessitated in several districts the limitation of animals admitted to graze in the forests. Sir Benjamin Robertson observes that in the Nagpur Wardha Division, where this problem was a particularly difficult one, the reduction has been carried out without exciting any complaints, a result which is particularly creditable to the Divisional Forest Officer, Rao Bahadur Shrinivasulu Naidu. In Saugor the question has arisen of the people finding it difficult to obtain their requirements owing to the sale of standing coupes to contractors. This is a matter which is likely to arise elsewhere and the Chief Commissioner desires that in each case it should receive the attention of the District and Forest Officers.

11. The recent increase in the pay of the subordinate Forest establishment has not so far brought about much improvement in the class of men recruited, and it is still found difficult to retain men in the service or to obtain from them satisfactory work. The experiment which is being made in the Nagpur-Wardha Division of training Forest guards in their duties is on the right lines, and if it proves successful, it should be taken up in other Divisions. It might then be possible to grant a special increment to guards who take the course and obtain certificates after passing through it. Sanction has recently been given to revision of the pay of Range clerks. A reform which is hardly less pressing is the offer of better emoluments to the clerical establishments of Divisional Officers, a matter which the Chief Conservator has under his consideration.

12. To Mr. Hill, the Conservators and the officers whose names are mentioned in the report, the Chief Commissioner tenders his thanks. He knows that the success which has been attained in the year, especially in the extra work which the war has thrown on the Department, has been achieved only by strenuous efforts on the part of the superior staff. He deeply regrets the death of Mr. J. Donald, Deputy Conservator, while on military duty, in whom the Forest Service has lost a promising officer; also of Mr. C. V. Sarvate, Extra-Assistant Conservator, who had done good work for many years in Saugor. Rao Bahadur S. G. Paranjpe, Extra-Deputy Conservator, retired during the year on an invalid pension, after having held charge of the Jubbulpore Division and having throughout his career rendered thoroughly efficient service to the Administration.

ORDER.—Ordered that a copy of this Resolution be submitted to the Government of India, Revenue and Agriculture Department, and that a copy be forwarded to the Chief Conservator of Forests and to the Conservators of Forests, Northern Circle, Southern Circle and Berar Circle, for information and guidance; also, that it be published in the Supplement to the *Central Provinces Gazette*.

J. F. DYER,
Third Secretary to the Chief Commissioner,
Central Provinces.

REPORT ON THE FOREST ADMINISTRATION OF THE CENTRAL PROVINCES FOR THE YEAR 1916-17.

1 With the continued absence of one-third of the Imperial Staff on Military Service and a sudden call in January by the Army Department for 20,000 tons of hay, the energies of the Department were somewhat severely taxed during the year under review. Notwithstanding the disabilities necessarily attendant on the prevailing conditions, considerable progress on more or less normal lines was maintained, as will be seen from the following sections on the different branches of Forest Administration compiled from the reports of the Conservators of the three Circles.

The revenues were well maintained, the gross revenue being in excess by Rs. 1,89,840 as compared with the preceding year and Rs. 5,20,533 compared with the average of quinquennial period immediately preceding the year under review.

The surplus amounted to Rs. 16,19,913 as against Rs. 15,25,729 in 1915-16 and Rs. 10,20,490 of the five years' average. The details of the operations taken to supply the hay mentioned above for the Overseas Forces are shown in a supplementary chapter. It may be mentioned here that the Hon'ble the Chief Commissioner agreed to the supply of the grass free of all royalty.

It has been decided, however, in respect to other supplies such as tan stuffs, timber, etc., that royalty should be charged, not so much with the object of increasing the Forest revenues, but to show the commercial possibilities of various products, particularly tan stuffs, whose potentialities in regard to post-war developments might be obscured if they were extracted under unusual conditions. Commissioners and Deputy Commissioners have, as usual, in forwarding the Divisional Reports made several interesting remarks and suggestions, and these will be considered by the Chief Conservator and Conservators when visiting the Divisions to which they refer.

AREA AND CLASSIFICATION.

2 In Form No 7 are shown the details of the changes that occurred in the areas of State reserved forests in the three Forest Circles during the year under review. The net result of these changes was a gain of 6 square miles (4,061 acres). While the areas of State forests in the Northern Circle remained practically the same as last year, there being a reduction of 246 acres only, the areas in the Southern and Berar Circles increased by 5 and 1 square miles, respectively. The increase in the Southern Circle occurred almost entirely in the South Raipur Division, where, on a reference from the working-plans officer, a recalculation was undertaken by the Forest Map Office, Dehra Dun, of the areas shown on certain 4" survey sheets, which disclosed inaccuracies in previous returns. In the Berar Circle, apart from the mutual gain and loss of 50 square miles due to interchanges of area between the A and C class forests, the former class of forests increased by 5 square miles owing to transfers from G and H lands and exchanges of areas, while the C class forest showed a decrease of 4 square miles, due almost entirely to disforestsments.

The increases and decreases in the areas fell under the following heads :—

	Gain (acres).	Loss (acres).
Afforestments and disforestsments	510	2,706
Transfers from G and H lands	2,636	...
Correction of areas	17,188	14,505
Exchanges	2,495	1,435
Boundary rectification	4	53
Revision of Rewah State border	46	119
Total	22,879	18,818
Net increase	4,061	

The areas of several classes of State forests at the beginning and the close of the year compare as follows :—

		Area on 1st July 1916 (square miles).	Area on 30th June 1917 (square miles)
Central Provinces (proper) ...	A class ...	15,700	15,705
	B class ...	625	625
Berar (proper) ...	A class ...	2,265	2,317
	C class ...	1,076	1,025
Total ...		19,666	19,672

The proportion of the total forest area to the total area of the Provinces remained the same as last year, namely, one-fifth.

The area under the management of the Irrigation Department increased by 1 square mile at the close of the year (from 21 to 22 square miles) and that under the management of the Public Works Department remained the same as last year, *viz.*, 1 square mile.

FOREST SETTLEMENTS.

3. Out of the 9 12 square miles under settlement at the commencement of the year, 0·09 square mile was found to be incorrect and written off. Thus the actual area remained to be settled was 9 03 square miles. An additional area of 8 08 square miles was taken in hand during the year, and out of this total area of 17 11 square miles, 8 77 square miles were finally settled, 0 50 square mile was transferred to E class, and for an area of 0 60 square mile it was decided that it should not be notified as reserved forest, thus leaving a balance of 7 24 square miles to be settled at the close of the year. As usual, in all cases the Deputy Commissioners of the districts concerned acted as Forest Settlement Officers and hence no special expenditure was incurred.

DEMARCATATION.

4. The total length of boundaries at the close of the year was 35,269 miles against 35,345 miles at the beginning, a reduction of 76 miles. While there was an increase of three miles in the Southern Circle due to the demarcation of certain plots of malguzari lands in the South Raipur Division, the Northern and Berar Circles showed decreases of 15 and 64 miles, respectively. The reduction in the former Circle took place in the North Mandla and Saugor Divisions and was due to changes in forest areas and exchanges of lands. In the latter Circle the decrease occurred mainly in the Yeotmal and Betul Divisions. While changes in the forest areas resulted in a reduction of 15 miles in the Yeotmal Division, in the Betul Division it was found that 42 miles of boundary of areas previously disforested was still shown on the registers. A decrease of 7 miles occurred in the Akola Division owing to disforests. In all 133 miles of new boundary was made during the year, Northern Circle 30, Southern Circle 3, and Berar Circle 100, and was due to changes in areas. In the Berar Circle in the Yeotmal Division in anticipation of the introduction of Mr. Ley's grazing settlement in the Pusad, Kelapar and Wun Taluks for the year 1917-18 it was found necessary to demarcate the A class areas formed by proposed transfers of C, G and H class lands with a view to enabling the people to know the limits of their grazing units, and this was accordingly done. Out of the total boundary of 35,269 miles, the length of artificially demarcated boundaries was 32,036 miles, the natural boundaries not requiring artificial demarcation being 3,094 miles, and 139 miles (in the Akola and Yeotmal Divisions of the Berar Circle) remained to be demarcated. The following is the classification of work done on demarcating boundaries during the year :—

	Miles.
1. Length of lines over which all pillars were put into thorough repairs.	4,752
2. Length cleared without reference to fire protection.	7,696
3. Length checked with survey maps	2,765

The total expenditure on the demarcation work rose from Rs. 13,089 in 1915-16 to Rs. 18,399 in the year under report, an increase of Rs. 5,310, which was shared by all Circles. Out of this, Rs. 1,719 were spent on new works, and the maintenance of old boundaries cost Rs. 16,680.

It is satisfactory to note that the action taken last year in regard to the negligence, and in some cases reluctance, of Malguzars to clear half the boundary lines of their forests in the Damoh Division has had the desired effect. It is reported that previous notices were given to them through Tahsildars, and the lines were cleared in time during the year under report. In the Seoni Division the demarcation work in the past years is reported to have been unsatisfactory where, owing mainly to the incompetence of the draftsman, the maps concerning boundary alterations have been found to disagree with the actual lines as laid out on the ground, and advantage is being taken of Settlement operations now in progress in that Division to eliminate useless pillars and to settle disputed boundaries. Steps are also being taken through the Deputy Commissioner to remedy the troubles with Malguzars in this matter. The desirability of attaching any Extra-Assistant Conservator to assist in the improvement work of boundaries has been suggested for this Division, but it does not appear likely that the services of an officer will be available in the near future. In the Nimar Division a number of encroachments and discrepancies were discovered and several boundary disputes were settled.

SURVEYS

5. No survey work was done by the Government of India Survey Party in the Northern and Southern Circles. In the Berar Circle, they carried out work in part of the Melghat Division. In this Circle, surveys were also locally carried out in the Melghat and Yeotmal Divisions, where Rs. 515 was spent in all. The survey of forest villages by the agency of the local Forest Staff was continued in the Southern Circle, where 11 villages in all (7 in Balaghat, 1 in North Chanda and 3 in North Raipur) were surveyed.

Besides the above, two maps for the Raipur Working-plans were published during the year, while several others were in the different stages of preparation.

CONSTITUTION OF STATE FORESTS.

6. The following statement compares the total expenditure on the constitution of State forests during the year under review and the preceding one:—

Circle.		Year (1916-17).	Year (1915-16).	Difference
		Rs.	Rs.	Rs.
Northern	...	9,315	5,864	+ 3,351
Southern	...	5,525	3,888	+ 1,640
Berar	...	22,422	18,375	+ 3,847
Total		37,165	28,327	+ 8,838

There was an increase of Rs. 8,838 towards which all the Circles contributed. The increase in the Northern Circle is attributed to the curtailment of funds in the previous year, while the increase in the Southern Circle fell entirely under "Demarcation", where more work was done during the year in accordance with the five-year schemes than in the preceding year. In the Berar Circle the Melghat Rajas were paid Rs. 17,120 against Rs. 13,996 as compensation for forest rights; the increased expenditure under this head was due to one Raja's compensation having been withheld in 1915-16.

WORKING-PLANS.

7. During the year under review two new working-plans were sanctioned by the Local Government, one for the mixed forests of the Balaghat Division for an area of 770 square miles (680 square miles of revision and 90 square miles of new area) and the other for the entire forests of 12,000 square miles in the

1,175 square miles (693 square miles of revision and 482 square miles of new area). As regards the revised working-plans for the South and North Raipur Divisions, the Special Revenue Officer's report thereon is with the Commissioner of the Chhattisgarh Division and will shortly be submitted to the Local Government. The Conservator, Southern Circle, has discussed the plan with the two Divisional Forest Officers and has furnished the Commissioner with a note, and hopes that when orders on the Revenue Officer's proposals have been passed by the Local Government, the plans will be completed without delay. In the meanwhile the prescriptions of the two plans are being worked and experience gained. The Conservator, Berar Circle, reports that the new working-plan for the forests of the Amraoti Division is under compilation and should be ready by next year. As the introduction of the grazing settlements recommended under the proposed working-plan for the Yeotmal Division in the Yeotmal and Darwha Taluks gave satisfactory results, sanction was accorded to their extension to the remaining three taluks of the Division (Wun, Kelapur and Pusad), and the working-plan which was in course of preparation last year has now been completed and sent to Press. However, the prescriptions of the working-plan as regards fellings were carried out during the year under the new scheme in anticipation of sanction. The field work for the working-plan for the forests of the Sironcha Range of the South Chanda Division was completed during the year, and it is hoped that the preliminary report will be submitted shortly. The revision of the existing working-plans for the North Chanda Division is still held in abeyance for the reasons stated in the last year's review. As suggested by the Chief Conservator in his Inspection Note, the field work for the revised working-plan for the Wainganga Felling Series of the Markhanda Range of the South Chanda Division was undertaken during the year but was not completed.

As the rotation of fellings prescribed in the existing working-plan for the old Narsinghpur Division was found to be unsuitable and a demand had arisen in areas previously unworked, a revised scheme was prepared and submitted to the Local Government and was sanctioned. Corrections to the working-plan are being drawn up. Pending the revision of all the existing working-plans for the forests of the Seoni Division, a provisional felling scheme was in force. The Divisional Forest Officer has, however, prepared a revised provisional felling scheme to meet the altered conditions which have arisen with a very largely increased demand, and the scheme is under the consideration of the Chief Conservator (pending the approval of the Deputy Commissioner and Commissioner of the grazing proposals involved). It is highly desirable, however, that as soon as circumstances permit a proper working-plan for this Division should be drawn up.

The provisions of the sanctioned working-plans were adhered to so far as it was practicable. In the Balaghat Division the fellings in the Raigarh Range are still about three years in arrears owing to labour and transport difficulties, while two coupes in Bhandara and all the coupes of the year in the Nagpur-Wardha Division could not be felled owing to want of demand.

It is reported that the altered conditions in the Hoshangabad Division in respect of markets, communications, methods of exploitation, etc., calls for an early revision of the existing working-plans, and accordingly the Divisional Forest Officer has been collecting data, more particularly in regard to the most suitable financial rotation.

Annual plans of operations were prepared for all Divisions and were acted up to as far as circumstances and funds permitted. The Conservator, Southern Circle, points out that owing to the employment of the staff on the Army Hay Operations in the Bhandara and Nagpur-Wardha Divisions, several works sanctioned in the plans of operations could not be carried out. Similarly in the Nimar Division these operations were a disturbing factor in some ranges and led to the abandonment of the project of improving the Nerbudda River crossing, while in the Yeotmal Division labour difficulties prevented completion of some works.

The following statement shows the progress made in working-plans during the year :—

Circles	Area under sanctioned working plans					Area not under working plans			Total forest area in Form No 7 total of columns 5, 7, 8 and 9)	Revision			Expenditure on working-plans during year
	At commencement of year	Added during year.	Deduct ed during year	At close of year		Plans under preparation	Plans not under preparation			Due or required	In progress at end of year	Revised plan sanctioned during year	
				Actual area	Percentage of total forest area as shown in column 10)		equipped at present	Not required at present					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq miles.	Sq miles	Sq miles	Sq miles		Sq miles	Sq miles	Sq miles					
Northern Circle	4,957		1	4,956	76	..	55	1,485	6,506				
Southern Circle	5,914	95		6,009	86	329	2	609	6,949	1,112	1,545	180	
Berar Circle	4,331	482		4,813	77	980		424	6,117		11	193	593
Total	15,212	577	1	15,788	80	1,309	57	2,518	19,672	1,112	1,567	1,373	593

From this it will be seen that out of the total area of State forest of 19,672 square miles, sanctioned working-plans exist for an area of 15,788 square miles, or 80 per cent, the plans for 1,567 square miles of which are in progress of revision, and revision is required for 1,112 square miles, but has not yet been undertaken. New plans are being prepared for an area of 1,309 square miles, while for an area of 57 square miles plans have still to be taken in hand, the area for which no plans are considered to be necessary at present being 2,518 square miles. These are mostly B and C class forests.

COMMUNICATIONS

8. In the following statement are compared the amount of work done and the cost incurred on communications during the year under review and the preceding year:—

Circle.	Year.	New works		Repairs.		Total cost.
		Length.	Cost	Length.	Cost.	
		Miles.	Rs	Miles.	Rs	Rs.
Northern	1915-16	98	5,918	1,174	7,973	13,891
	1916-17	188	22,387	1,229	10,128	32,515
Southern	1915-16	104	6,662	2,373	6,856	13,518
	1916-17	100	8,189	2,360	10,915	19,104
Berar	1915-16	42	4,919	1,767	8,467	13,386
	1916-17	65	23,421	2,187	14,939	38,360
Total	1915-16	244	17,499	5,314	23,296	40,795
	1916-17	353	53,997	5,776	35,982	89,979
	Difference	+ 109	+ 36,498	+ 462	+ 12,686	+ 49,184

It will be seen from the above that the total expenditure under this head for the Province as a whole during the year 1916-17 exceeds that in 1915-16 by Rs. 49,184. The increase is common to all Circles and occurred both under "New works" (Rs. 36,498) and "Repairs" (Rs. 12,686). The large increase in the Berar Circle (from Rs. 13,386 to Rs. 38,360) is attributed to the abnormal rainfall of 1916 coupled with the very small sums spent on repairs, which necessitated a larger expenditure on these works. In the Northern Circle the curtailment of funds in the previous year is stated as the reason for more expenditure

under this head, while in the Southern Circle more money was spent on roads in all Divisions except Bhandara and North Raipur. The total expenditure on "New works" amounted to Rs. 53,997 against Rs. 17,499; this amount was spent as follows:—

Rs. 49,033 on 17½ miles of regular cart roads.
Rs. 2,451 on 76 miles of bridle paths.
Rs. 2,513 on 102 miles of other paths, etc.

It is satisfactory to note that out of a total amount of Rs. 53,997 under this head, as much as Rs. 49,033 or 91 per cent has been spent on "regular cart roads". These works were mainly in the Damoh, Hoshangabad, Jubbulpore-Narsinghpur and Seoni Divisions in the Northern Circle, Balaghat and Nagpur-Wardha Divisions of the Southern Circle, and Nimar and Betul and also Melghat Divisions in the Berar Circle. In the Damoh Division several of the important roads left incomplete last year were completed during the year. Two wooden causeways were constructed in the Hoshangabad Division over the Denwa and Tawa rivers, and one is reported to have been found to stand the traffic well. In the Seoni Division the work on the important Sakata-Katangi road was started. The Chindlaighat road in the Balaghat Division was completed during the year, the total cost being Rs. 4,018, of which Rs. 500 was contributed by the District Council. It appears that this road will be of more utility to the public than to the Forest Department. In this same Division, surveys and estimates were prepared for two important road schemes in the Paraswara Range. These roads when completed will, it is anticipated, result in a marked increase in revenue. Of the total outlay on "New Works" in the Berar Circle Rs. 15,650 represents the contribution made to the Betul District Council towards the construction of the Nanda-Bhainsdehi road. This road will supply a long-felt want and considerably improve the facilities for the export of bamboos and timber from the Tapti Range.

BUILDINGS.

9 The following statement compares the total expenditure on buildings, etc., incurred during the year under report and that preceding thereto:—

Circle.	Year.	New works, cost.	Repairs, cost.	Pay of mali, etc., cost.	Total.
		Rs.	Rs.	Rs.	Rs.
Northern	1915-16	4,579	8,313	184	13,076
	1916-17	16,093	10,124	255	26,472
Southern	1915-16	3,954	7,988	...	11,942
	1916-17	4,772	9,301	...	14,073
	1915-16	7,325	11,357	...	18,682
	1916-17	7,040	17,111	...	24,151
Total	1915-16	15,858	27,658	184	43,700
	1916-17	27,905	36,536	255	64,696
	Difference	+ 12,047	+ 8,878	+ 71	+ 20,996

It will be seen that the total outlay on these works rose from Rs. 43,700 in 1915-16 to Rs. 64,696 in 1916-17 or by 49 per cent. The increase occurred under both "New Works" and "Repairs" and was shared by all the Circles, especially by the Northern and Berar Circles. A total amount of Rs. 27,905 was spent on new works, of which Rs. 1,233, or 5 per cent, were spent on head-quarters houses, Rs. 3,186, or 11 per cent, on rest-houses, Rs. 22,877, or 82 per cent, on housing the subordinate establishment and Rs. 609, or 2 per cent, on other miscellaneous buildings. The increase of Rs. 11,514 in the Northern Circle has not been explained, but it is presumed that owing to the necessity for economy due

to the war, many important works withheld during 1915-16 were constructed during the year under report, as funds permitted. The Conservator, Southern Circle, points out that building works in his Circle are still seriously cut down owing to war economy. The increase in the Berar Circle was common to all Divisions, Buldana and Betul excepted. The conditions of many buildings in the Melghat and Amraoti Divisions is reported to be far from satisfactory. This is due in part to economy in the past two years, and the increased expenditure was therefore inevitable. The Divisional Forest Officer, Nimar, points out that for some time past the existing rest-houses in that Division have been in a very bad condition, but adequate repairs are now contemplated. It is also pointed out that a good deal still remains to be done in connection with the proper housing of the subordinate staff, notably in the Melghat Division.

TANKS, WELLS AND OTHER MISCELLANEOUS WORKS

10 The following statement compares the total expenditure incurred on these works during the years 1915-16 and 1916-17:—

Circle.	Year.	New works.				Repairs.				Grand total cost.
		Tanks, cost.	Wells, Jhiras, etc., cost.	Compound fencing, etc., cost.	Total cost.	Tanks, cost.	Wells, Jhiras, etc., cost.	Compound fencing, cost.	Total cost.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern ...	1915-16 ...	200	1,042	...	1,242	30	601	589	1,220	2,462
	1916-17 ...	..	3,014	175	3,189	200	813	966	1,979	5,168
Southern ...	1915-16 ..	766	2,502	1,150	4,418	936	619	1,137	2,692	7,110
	1916-17 ...	44	3,379	64	3,487	1,051	866	1,317	3,234	6,721
Berar ...	1915-16 ..	...	591	179	770	...	565	657	1,222	1,992
	1916-17 ..	220	2,786	...	3,015	...	577	1,066	1,643	4,658
Total ...	1915-16 ..	966	4,135	1,329	6,430	966	1,785	2,383	5,134	11,564
	1916-17 ...	273	9,179	239	9,691	1,251	2,256	3,349	6,856	16,547
	Difference ...	-693	+5,044	-1,090	+3,261	+285	+471	+966	41,722	4,983

There was an increase of Rs. 4,983 under this head (Rs. 16,547 against Rs. 11,564). While the Southern Circle showed a decrease of Rs. 389, this was more than counterbalanced by increases of Rs. 2,706 and Rs. 2,666, respectively, in the Northern and Berar Circles. The increase in the Northern Circle has not been explained. The Conservator, Berar, reports that the increased expenditure was due to the construction of a number of wells in the Yeotmal, Akola and Betul Divisions. Out of the total expenditure of Rs. 16,547, Rs. 9,691 was spent on new works against Rs. 6,430 in the preceding year and Rs. 6,856 against Rs. 5,134 on "Repairs". Under "New Works" there has been a large increase of Rs. 5,044 on the construction of wells, etc., which was somewhat compensated by decreases of Rs. 693 and Rs. 1,090 under "Tanks" and "Compounds". In the Melghat and Nimar Divisions temporary bunds were erected in streams to test the value of sites for storing water in years of short rainfall by means of masonry dams. While on this subject the Conservator points out that in the Melghat the idea of constructing such dams came up 40 years ago, when 17 so-called anicuts were erected by the Public Works Department. No provision, it seems, was made for scouring, and the dams silted up at once. The sites were also badly selected. Only one of these old anicuts is of any practical use. Two others are capable of improvement, and one of these is now being altered by the Public Works Department. As directed by the Government, the experiment substituting nala bunds for tanks in the grazing tracts to provide water for cattle was carried out in the Nimar Division. A report was received after the close of the year, and it seems likely that the adoption of these methods may prove to be of considerable value in many Divisions of the Province.

The total outlay on communications, buildings and wells and other works amounted to Rs. 1,71,222 during the year against Rs. 96,059 in the preceding year, an increase of Rs. 75,163, the reasons for which have been explained above.

GENERAL PROTECTION.

11. The number of Forest offences during the year under report is compared with that in the year 1915-16 and with the average of the three preceding years in the following statement.—

Nature of offence.	Northern Circle.				Southern Circle.				Berar Circle.				Total Province.				Percent- age to total cases of 1916-17
	Average three years.	1915-16.	1916-17.	Increase or decrease over	Average three years.	1915-16.	1916-17.	Increase or decrease over	Average three years.	1915-16.	1916-17.	Increase or decrease over	Average three years.	1915-16.	1916-17.	Increase or decrease over	
I—Injury by fire ...	141	175	78	-97	93	100	62	-38	49	75	58	-17	283	350	198	-152	1.4
II—Unauthorized felling.	2,509	2,423	2,382	+159	1,353	1,679	1,571	-108	1,629	1,789	1,452	-337	5,491	5,891	5,605	-286	39.9
III—Unauthorized grazing.	1,804	2,107	2,454	+357	1,475	1,815	1,914	+99	2,906	3,042	3,166	+124	6,215	7,054	7,534	+480	53.6
IV—Other offences	105	128	64	-64	62	114	165	+51	459	400	480	+80	626	642	709	+67	5.1
Total	4,589	4,923	5,178	+255	2,983	3,708	3,712	+4	5,043	5,306	5,156	-150	12,615	13,937	14,046	+109	

The total number of offences rose from 13,937 in 1915-16 to 14,046 in 1916-17, an increase of 109 cases, which exceeded the average by 1,431 cases. Out of the total number of 14,046 cases, 198 cases, or 1.4 per cent, were cases of "Injury by fire," 5,605 cases, or 39.9 per cent, fell under "Unauthorized

fellings", 7,534 cases, or 53·6 per cent, were of "Unauthorized grazing" and 709, or 5·1 per cent, were "Other offences". There was a decrease of 152 cases and 286 cases respectively, under the former two heads, but these decreases were more than counterbalanced by increases of 480 cases and 67 cases under the latter two heads. While the increase in the Southern Circle was only 4 cases, there were 255 cases more in the Northern Circle and a decrease of 150 cases in the Berar Circle, the net result being an increase of 107 cases for the Province as a whole.

The Conservator, Southern Circle, remarks that the increase would have been more had it not been for the great fall in the number of cases in the North Chanda Division under the heads of "Unauthorized fellings" and "grazing" said to be due to the Military grass operations which kept subordinates for some time from their ordinary duties.

I.—Injury by Fire—The cases under this head showed a reduction of 152 cases over those of 1915-16. The decrease was common to all Circles, Northern Circle 97, Southern Circle 38 and Berar Circle 17. With the exception of the South-Mandla and Jubbulpore-Narsinghpur Divisions, the decrease in the Northern Circle was shared by all Divisions, and is said to be due to the favourable climatic conditions. In the Saugor Division it is attributed to the exclusion of certain forest areas from fire protection where there had been difficulties in the previous years. The occurrence of fewer forest fires during the year as explained in the following section has been given as the reason for the reduction in the Southern Circle.

The Divisions mainly responsible for the fall of cases under this head in the Berar Circle were Amraoti, Buldana and Betul, showing decreases of 11, 6 and 19 cases, respectively, which were however, diminished by increases of 7, 1, 6 and 5 in the Melghat, Yeotmal, Akola and Nimar Divisions. The frequent rain throughout the hot weather, which rendered the grass less inflammable, is said to be the main factor for the reduction in the Amraoti and Betul Divisions, while the increase in the Melghat Division is ascribed to fires in early burnt areas which were not protected at all in previous years.

II—Unauthorized Fellings—Under this head also there was a net reduction of 286 cases, 5,605 cases in 1916-17 against 5,891 cases in 1915-16. The Northern Circle showed an increase of 159 cases, but this was more than compensated by decreases of 108 and 337 cases respectively in the Southern and Berar Circles. In the Northern Circle the Divisions which showed increases were South-Mandla (203 cases), due to the re-organization of the previous apathetic staff in the Dindori Range and to the strict enforcement of the nistar felling rules; Jubbulpore-Narsinghpur (77 cases), due to offenders of a village in the Murwara Range, who failed to commute for nistar; and Seoni (92 cases) due to the greater vigilance on the part of the staff. The Hoshangabad Division showed an increase of 2 cases only. The better results in the Seoni Division are, the Divisional Forest Officer considers, due to the granting of small rewards to subordinates and others who exert themselves in detecting difficult or troublesome cases. The Conservator observes that the Divisional Forest Officer is probably correct in this, but that the system has its drawbacks and requires careful supervision, with which view the Chief Conservator agrees. There were decreases in the remaining four Divisions: North Mandla (104 cases), attributed to the deterrent effect of heavy compensation levied; Damoh (40 cases), due to the better facilities afforded to the villagers to meet their requirements through coupe contractors; Chhindwara (43 cases), to more leniency shown in disposing of the cases; and Saugor (24 cases). From Saugor, two serious cases of theft are reported in the Banda Range. In one of these the thieves resisted seizure of the stolen property and beat the Forest Guard with fatal results. The late Guard's family was awarded pensions; the culprits escaped with only a few years' imprisonment. In another case, the offenders were a certain reputed gang of dacoits, who have settled down as cultivators, and the theft committed was of a considerable amount of timber. The case was, however, compounded. Three cases of similar nature are also returned by the Seoni Division due, according to the Divisional Forest Officer, to the slackness or dishonesty of subordinates. In two of these cases some ~~malicious~~ and their servants were implicated, while in the third only two villagers were concerned. Heavy compensation was given in the latter two cases.

challenged by the Police, and the Malguzar was let off and his servants were punished. For the decrease in the Southern Circle the Balaghat and the North-Chanda Divisions, with a reduction of 94 and 101 cases, respectively, were chiefly responsible.

The decrease in the latter Division is explained above. In the South Raipur Division, where there was an increase of 70 cases, the Balaghat system of marking stamps, as described in last year's report was introduced, and the results are said to be satisfactory. The Divisional Forest Officer remarks "it is a common practice for the people to enter the forests and hack down their requirements during the monsoons and to bring these out some months after under cover of a license for dry wood." The Conservator observes that permission to remove dry wood, unless very closely supervised, invariably results sooner or later in the illicit preparation of dry wood. The decrease in the Berar Circle occurred mainly in the Melghat, Yeommal, Nimar and Betul Divisions. In the Melghat Division it is attributed to the late kharif harvest which kept the people otherwise engaged. The increase in the number of coupes available for timber and fuel and the timely marking and opening out of coupes caused the reduction in the Yeommal Division. The stoppage of the practice of seizure of produce uncovered by licenses in the vicinity of Government forests was responsible for the decrease in the Betul Division. The decrease in the Nimar Division is said to be more apparent than real, as the staff in four out of the eight ranges in that Division were fully occupied with military grass supply for three months during which period detections were few.

III Unauthorised Grazing - The increase of 480 cases (from 7,054 to 7,534) under this head for the Province as a whole was shared by all Circles: Northern 257, Southern 99 and Berar 124. Excepting the North-Mandla, Saugor and Hoshangabad Divisions, which showed decreases of minor importance, the increase in the Northern Circle was contributed to by the remaining Divisions: South Mandla 45, Jubbulpore-Narsinghpur 40, Damoh 9, Seoni 173 and Chhindwara 55. Better control and check of cattle has been ascribed as the reason for the increase in the first three Divisions, while the introduction of the system of temporarily transferring Range Assistants from one Range to another at the time of checking licenses is said to be the cause for the increase in the Chhindwara Division. The increase in the Seoni Division is attributed to the same reasons as lead to the increase in the cases of "Unauthorized Fellings", *viz.*, the grant of rewards to subordinates. In the Southern Circle the Bilaspur, North-Chanda, Nagpur-Wardha and South-Raipur Divisions showed decreases of 21, 106, 2 and 2 cases respectively, but these were more than counterbalanced by increases of 65, 46, 51 and 68 cases respectively in the Balaghat, Bhandara, South-Chanda and North-Raipur Divisions. The Divisional Forest Officer, South Chanda, attributes the increase to the system, which led to the increase in the Chhindwara Division of the Northern Circle, as explained above, to which factor also the increases in the other Divisions are said to be probably due. In the North-Raipur Division a second check was instituted and unlicensed cattle were found grazing with licensed cattle. The fall of 106 cases in the North-Chanda Division is attributed to the military grass operations which kept some of the subordinates from their ordinary duties. For the increase in the Berar Circle the Amraoti and Nimar Divisions were chiefly responsible. In the former Division the increase is said to be due to better vigilance on the part of the protective staff, while that in the latter Division is attributed to the very strict and continuous check on cattle maintained throughout, as advocated by the Chief Conservator in his Inspection Note on this Division.

Other offences.—Against a decrease of 64 cases in the Northern Circle there were increases of 51 and 80 cases in the Southern and Berar Circles respectively, the net result being an increase of 67 cases for the Province. As the offences under this head are of a miscellaneous nature and as the variations are very small, they call for no special remarks. The decrease in the Northern Circle was common to all Divisions. For the increase in the Southern Circle the Balaghat and North-Chanda Divisions were mainly responsible, while that in the Berar Circle occurred mainly in the Yeommal Division. The illicit removal of minor forest produce and the disturbance of village life by plague and cholera, whereby many cattle-owners left their cattle taking their passes with them instead of leaving them with the herdsmen, are stated to be the reasons for the increase.

Disposal of Forest Offence cases.—The total number of cases that remaining pending at the close of the year 1915-16 was 1,582. 59 cases of these were withdrawn or cancelled, thus leaving a balance of 1,523 cases at the beginning of the year. Added to the cases that occurred during the year under report, *vis.*, 14,041, excluding 5 cases withdrawn during the year, the total number of cases to be disposed of was 15,564. Out of these, 200 cases, or 1·3 per cent, against 253 cases, or 2 per cent, were taken to Court, 13,343 cases, or 85·7 per cent against 13,133 cases, or 84 per cent, were compounded under Section 67 of the Indian Forest Act, 584 cases, or 3·8 per cent, against 614 cases, or 4 per cent, remained undetected and 1,437 cases, or 9·2 per cent, against 1,582 cases, or 10 per cent, remained pending at the close of the year. Out of the 200 cases decided by Court convictions were obtained in 146 cases, the acquittals being 54. The percentage of convictions obtained for the Province as a whole fell from 79 in the year 1915-16 to 73 in the year under report. Whereas this percentage in the Northern Circle fell from 78 to 66, those in the Southern and Berar Circles rose from 82 to 84 and 77 to 79 respectively. With the exception of the Nimar and Yeotmal Divisions, where there is said to be a tendency to be lenient with grazing cases, the punishments awarded by Magistrates are reported to have been generally speaking adequate. The Divisional Forest Officer, Nimar, reports a test case in which the question arose whether a Bania in possession of cattle under a mortgage was entitled to the concessions for the cattle which the owner (a cultivator) would have got. The case was decided in favour of the Bania. In the North-Raipur Division two malguzars were convicted of bribing Forest Guards to release cattle seized for grazing without licenses.

Of the total number of cases compounded (13,343), compensation was recovered in 13,334 cases, the acquittals being 9 cases. The average compensation realized per case and per person was Rs. 7-1-4 against Rs. 6-10-3 and Rs. 2-11-9 against Rs. 2-9-8 in the Northern Circle; Rs. 7-13-1 against Rs. 8-12-8 and Rs. 2-10-2 against Rs. 2-6-9 in the Southern Circle and Rs. 12-12-1 against Rs. 10-13-0 and Rs. 3-12-7 against Rs. 3-12-7 in the Berar Circle. It will be seen that while more compensation was levied per case in the Northern and Berar Circles, the Southern Circle showed a decrease of nearly one rupee per case. The average rate of compensation per person remained exactly the same as last year in the Berar Circle, those in the Northern and Southern Circles showing an increase of 2 annas and 3 annas (in round figures) respectively.

The total number of undetected cases for the Province as a whole fell from 614 in 1915-16 to 584 in the year under report, a decrease of 30 cases. There was an increase of 33 cases in the Berar Circle (157 against 124), but this increase was more than counterbalanced by decreases of 41 and 22 cases respectively in the Northern and Southern Circles.

The number of pending cases was 1,437 against 1,582 in the preceding year. Northern Circle 653 against 813, Southern Circle 329 against 304 and Berar Circle 455 against 465.

The number of cases in which rewards were granted for detection of offences and the amount of rewards during the year compare as follows with those in the preceding year :—

Circle.		Number of cases.	Amount of rewards.	Average amount per case.
1		2	3	4
			Rs. a. p.	Rs. a. p.
Northern	{ 1915-16 ...	22	127 0 0	5 12 4
	{ 1916-17 ...	62	213 0 0	3 6 11
	{ 1915-16 ...	105	403 0 0	3 13 5
Southern	{ 1916-17 ...	214	340 0 0	1 9 5
	{ 1915-16 ...	19	99 8 0	5 3 9
	{ 1916-17 ...	20	109 0 0	5 7 2
Berar	{ 1915-16 ...	146	629 8 0	4 5 0
	{ 1916-17 ...	206	660 - -	
	{ 1915-16 ...			
Total				
{ 1915-16 ...				
{ 1916-17 ...				

It will be seen from the above that except in the Berar Circle where there was an increase of 3 annas per case, there has been a tendency to give small rewards in these cases.

PROTECTION FROM FIRE

12. The following statement compares the results of fire protection of the year 1916-17 with those of the preceding two years —

Circle	year of protection	Area attempted to be protected (square miles)	Flures (square miles)	Area actually protected (square miles)	Percent age of area success fully protected	Cost	Remarks
1	2	3	4	5	6	7	8
Northern	1914-15	3,361	45	3,318	99	Rs 35,604	The cost is inclusive of expenditure on early burning in all cases
	1915-16	3,441	118	3,323	97	34,747	
	1916-17	3,410	40	3,370	99	35,082	
Southern	1914-15	4,551	30	4,512	99	38,461	
	1915-16	4,034	71	3,963	98	39,237	
	1916-17	3,844	21	3,823	99	38,518	
Berar	1914-15	3,791	102	3,689	98	35,910	
	1915-16	3,445	74	3,371	97	28,153	
	1916-17	3,082	31	3,051	99	20,485	
Total	1914-15	11,705	180	11,519	98	1,10,905	
	1915-16	10,920	263	10,657	97	1,02,137	
	1916-17	10,336	92	10,244	99	94,085	

There was a further decrease of 584 square miles in the area attempted to be protected, the areas for the years 1915-16 and 1916-17 being 10,920 square miles against 10,336 square miles. The reduction occurred in all Circles and was shared as follows:—Northern Circle 31 square miles, Southern Circle 190 square miles and Berar Circle 363 square miles. In the Northern Circle, while the area in the Damoh Division rose by 93 square miles, due to the extension of systematic protection according to the sanctioned fire protection scheme, this was more than made up by decreases of 123 square miles in the Saugor Division and 1 square mile in the Seoni Division. This fall of 123 square miles is said to be due to the exclusion of grazing areas from systematic fire protection, as sufficient protection against fire is afforded to them by the heavy grazing permitted. In the Southern Circle 1 square mile was added under systematic fire protection. Against this, decreases occurred in the North-Chanda Division (109 square miles), Balaghat Division (4 square miles) and South Raipur Division (39 square miles). All these areas were excluded from regular fire-protection and brought under "early burning". The Divisions responsible for the reduction in the Berar Circle were Melghat 62 square miles, Yeotmal 12 square miles, Nimar 274 square miles and Betul 15 square miles. The same reason as is given for the decrease in the Southern Circle is also ascribed to this reduction. As regards the policy of "early burning" the Conservator, Northern Circle, reports that it was tried with poor results owing to the subordinates misunderstanding the orders and taking little interest in the work. The weather conditions also are said to have been unfavourable. However, in four of the ranges in the Jabalpur-Narsinghpur Division to which these operations were extended the results are said to have been satisfactory. In the Southern Circle "early burning" was resorted to in all Divisions except Bhandara in which, owing to the military grass operations, it could not be carried out. It is reported that this system of burning is now thoroughly understood in all Divisions of the Circle, and, if carried out sufficiently early in the season, appears to cause no damage. The Conservator remarks that the difficulty is to get the fire to spread, but even if the grass is partially burnt off, the danger likely to be caused by a fire

later on is much reduced. The effects of "early burning" in the Berar Circle are being kept under observation. The Conservator suggests that all fires occurring in early burnt forests after the date on which the departmental early burning ceases should be reported and treated in the same manner as the fires that take place in areas under regular protection are done. This suggestion will be considered at the next Conservators Conference. He further points out that in the Dhulohli Range of the Melghat Division where no protection of any kind had been attempted in the previous five years occurred after the departmental burning was stopped, the percentage of area burnt was only 3 per cent of the range was burnt a result which is creditable to the staff. The system of burning off savannahs in the sal forests of the Palghat Division was continued with success, a strip being left unburnt to enable the sal to spread.

The year was more favourable as regards protection from fire than the preceding two years. A total area of 62 square miles was burnt against 263 and 186 square miles respectively. The decrease was shared by all Circles. Northern Circle 40 square miles against 118 square miles, Southern Circle 21 square miles against 71 square miles and Berar Circle 31 square miles against 74 square miles. These good results were largely due to the prolonged monsoon and to frequent showers of rain during the fire season. The only Division in which more area than last year was burnt was the Seoni Division, the increase being only 554 acres. The percentages of failures in the Northern and Berar Circles was reduced from a 3 in 1915-16 to 1 in the year under report while that in the Southern Circle from 2 to 1. This percentage for the Province as a whole was 1 against 3. The most successful Division in the Northern Circle was Hoshangabad where only 0.01 per cent of the area attempted to be protected was burnt, the Saugor Division being the worst with a percentage of 4.18 of the area burnt. The lowest percentage of failure in the Southern Circle again occurred in the South Chanda Division (0.3 per cent) the highest being returned by the South Raipur Division (1.11 per cent). In no Division of the Berar Circle (except the Nimar Division, where the failure amounted to 4 per cent) did the percentage of failure rise above 1, the Division in which the least area was burnt being as usual the Melghat. As in the last year the Singhpur Range in the South Raipur Division and the Panthora Range in the Bilaspur Division were the least successful. In the former there were four fires burning an area of 1,558 acres due, it is thought, to malicious firing by discontented coupe contractors, but no clue leading to a prosecution was forthcoming in any case. The block of the Panthora Range in which this year 7 fires spread over an area of 3,527 acres has been repeatedly burnt for many years. The Conservator was unable to tour in this range as expected, but various measures designed to protect the more valuable portions will be tried next year and the Chief Conservator trusts that these will lead to more successful results.

The area successfully protected was 10,244 square miles in 1916-17 against 10,657 square miles in the preceding year, the percentages of success for these years being 99 and 97 respectively. These percentages by Circles were:—Northern Circle 99 against 97, Southern Circle 99 against 98 and Berar Circle 99 against 97.

Including the cost of areas early burnt, the total expenditure on fire protection fell from Rs. 1,02,137 in 1915-16 to Rs. 94,085 in the year under report, a decrease of Rs. 8,052. While there was an increase of Rs. 335 in the Northern Circle, the Southern and Berar Circles showed decreases of Rs. 719 and Rs. 7,668 respectively. The average cost of protection per square mile was—

Circle		1915-16.			1916-17.		
		Rs.	a.	p.	Rs.	a.	p.
Northern	...	10	1	7	10	4	4
Southern	..	9	11	8	9	10	0
Berar	..	8	0	5	6	10	4
Province	..	9	4	7	9	1	7

Though for the Province as a whole there has been a reduction in the average cost of protection per square mile the Northern Circle showed an increase

and Berar Circles respectively. The latter is an appreciable decrease and occurred chiefly in the Yeotmal Division, where heavy grazing concentrated on the old fire lines, combined with an unusual demand for grass and favourable climatic conditions reduced the expenditure per square mile to the abnormal figure of 7 annas and 9 pies per square mile. The Divisional Forest Officer reports that it is unlikely that he will be able to work in future at any thing like the same figure, as the necessary concentration of grazing on fire lines is exceedingly difficult to ensure. Though for the Circle as a whole the cost of protection per square mile in the Southern Circle showed a decrease, there were increases in the North Raipur, Nagpur-Wardha, Balaghat and Bilaspur Divisions against decreases in the remaining Divisions. The increased cost in the North Raipur Division (Rs 2-3-2) is said to be due to the improvement made in several fire lines which were either very crooked or narrow, while that in the Nagpur-Wardha (Re. 0-12-0) to several after burnings of fire lines necessitated by rains throughout the season.

The fires that took place during the years 1915-16 and 1916-17 are classified according to their origin in the following statement :—

Origin of fire	Northern Circle.				Southern Circle.				Berar Circle.				Total Province.			
	Number of fires.		Area burnt (acres).		Number of fires.		Area burnt (acres)		Number of fires.		Area burnt (acres)		Number of fires.		Area burnt (acres).	
	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
A. Burning fire lines .	21	26	7,191	4,944	16	3	5,115	938	19	0	5,357	428	56	35	20,661	6,310
B. Crossing exterior lines.	20	11	6,736	5,883	32	4	6,998	1,965	9	4	15,686	1,470	61	19	31,430	9,015
C. Persons in forests (accidents).	17	8	6,175	766	14	11	4,683	1,597	3	13	7,410	1,561	34	31	18,568	3,984
D. Persons in forests (incendiary)	11	5	10,014	500	10	4	4,376	2,014					21	6	14,410	2,514
E. Railway Engines	12	5	1,963	292	4	1	550	925	3	1	110	7	19	4	2,623	1,284
F. Lightning or fire balloons.		1		2			15	..	1	2	35	14,532	2	3	50	14,534
G. Causes unknown .	79	44	41,395	13,521	57	18	23,640	6,144	33	14	15,701	1,418	109	76	80,796	21,083
Total ..	154	94	75,494	25,608	134	41	43,677	13,583	74	40	47,299	19,716	362	175	168,470	58,907

It will be seen that there was a marked reduction both in the number of fires and the acreage burnt, which was shared by all Circles. During the year 175 fires occurred burning an area of 58,907 acres against 362 fires burning 1,68,470 acres, in the preceding year. Compared by origin of fires there was a decrease under almost every head for the Province as well as by Circles. On the whole, the results of the year were exceptionally satisfactory.

PROTECTION FROM CATTLE.

13. The total area closed to grazing for the whole or part of the year was 3,517 square miles, or 18 per cent of the total forest area, which showed an increase of 44 square miles over that in the year 1915-16, *viz.*, 3,473 square miles. Thus the total area which was thrown open to the grazing of animals throughout the year amounted to 16,155 square miles during the year against 16,193 square miles in 1915-16. In 10,158 square miles of this area, however, camels, sheep and goats were not admitted to graze. It is reported that in the Yeotmal Division the year under report was a year of scarcity of karbi which increased the demand for fodder grass and grazing and consequently the

coupes which had benefited by three full years of closure to grazing after felling and the remoter areas reserved for fodder grass had to be thrown open to grazing after February

The total number of animals impounded during the last two years are compared in the following statement:—

Circle		1915-16.	1916-17.	Difference
1		2	3	5
Northern	...	7,096	3,785	-3,311
Southern	...	4,454	4,573	+119
Berar	..	3,788	4,895	+1,107
Total		15,338	13,253	-2,085

Against an increase of 119 and 1,107 animals in the Southern and Berar Circles respectively, there was a great reduction of 3,311 animals in the Northern Circle, which resulted in a net decrease of 2,085 animals for the Province as a whole. This fall has not been explained.

PROTECTION AGAINST INJURIES FROM NATURAL CAUSES.

14. *Frost*.—No frost of serious nature is reported from any of the three Circles. In the Northern Circle, while the Damoh Division entirely escaped from frost, elsewhere little or no damage was done. In the Southern Circle in the Balaghat Division the regrowth of sal in the open savannahs was as usual set back by frost, but there was no widespread damage to forest growth as recorded last year. The Divisional Officer remarks "that the recovery of the areas which were severely damaged by frost in February 1916 has been as satisfactory as could be expected, but a serious feature of the present state of these forests is the large number of poles and saplings which had their leading shoots killed. In the great majority of cases this leader is sooner or later replaced, but there remains a bayonet-shaped formation of the stem at the point where the original injury occurred, which is practically certain to lead to unsoundness in later life. It is to be feared that when the present crop of poles becomes ripe for felling and conversion, the percentage of sound trees in these frosted areas will be exceedingly small."

The Conservator, Berar, states that observation of the effect of the sharp frost of February 1916 shows that little real damage was done except in restricted areas in the north of Nimar Division. Anjan was found to be completely immune even in the worst areas and showed powers of resistance not evidenced by any other species.

Wind and Hailstorms.—No serious damage is reported to have been done by wind either in the Northern or Berar Circle, some damage was caused in the Bilaspur and South Raipur Divisions of the Southern Circle. In the latter Circle, hailstorms were very frequent in the Betul Division, but it is said that their severity was invariably very local—the worst occurred in the Machna valley, where a large number of trees were damaged or blown down. In the North Chanda Division of the Southern Circle also very severe hailstorms passed over a portion of the district, and in some areas the trees were defoliated, but the damage does not appear to be of permanent nature. Slight damage was also done to the harra crop in the North Mandla Division.

Insects.—Though the damage done by the teak leaf defoliator in parts of the North Mandla and Damoh Divisions is reported to have been slight, in the Bori Range of the Hoshangabad Division and in the Ghat portion of the Silwani Range of the Chhindwara Division it was more than usual. A moderate attack of this pest was also noticed in a few localities in the Yeotmal and Nimu Divisions. Rather serious damage was done to "Tendu" (*Diospyros lanuvola*) in the Bhandara Division by caterpillars during April and May soon after the new leaves appeared. It may be mentioned that the leaves of this species are used in the manufacture of "biris" (country cigarettes), and nearly Rs. 1000 was obtained in this Division during the year from this source. Slight damage by the silboer is reported from the South Mandla and Bilaspur Divisions. While no further information regarding damage done by *Polyporus shiraii* is available in the Southern Circle, the damage caused by this fungus in the Northern Circle in the South Mandla Division is said to have been very considerable, nearly 14 per cent of the trees marked for felling were found to have been attacked and many others affected. Whilst the damage is often not apparent, the trees on being felled are found to be hollow. In the South Raipur Division, local attacks of the *Drapus furvus* (Sampson) were observed in the coppice with standards exploited areas of the South Sihawa Range. It was noticed that perfectly healthy sal standards of under 3 feet girth, which were standing in isolated positions, were exuding resin profusely. Specimens of the beetle found were sent to the Zoologist, Forest Research Institute Dehra Dun, and selected attacked trees have been marked for observation. In the Buldana and Akola Divisions the habul-boring beetle continued to damage babul plantations. In the latter Division the damage done was not serious, and frequent weeding between the lines of saplings is believed to have had the desired effect. In the former Division the method of destroying the larvæ by boiled water or kerosine oil, adopted from last year, was continued. Some damage from white-ants is reported from the South Mandla Division.

Drought—No damage from drought is reported from any Circle. None of the sal trees selected for observation in the Baihar Range of the Balaghat Division in 1915 has died. The Divisional Forest Officer remarks that "points for consideration are whether poles which have been badly affected by drought are capable of yielding healthy and vigorous coppice and whether it is preferable to cut them back or to leave them as covering for the soil." The first point should be settled by experiment, and, if good coppice is obtained, this will serve for the necessary cover.

Wild animals.—More or less damage to coppice shoots by cheetal, sambhar and other deer is reported from a number of Divisions throughout the Province. In the North Sihawa Range of the South Raipur Division the numbers of nilgai have increased considerably. In the Yeotmal and Akola Divisions the destruction of wild pigs and nilgai was encouraged in the interests of agriculturists, 95 nilgai and 55 pigs were killed by permit-holders and 6 nilgai and 4 pigs by the Forest subordinates. 33 cheetal and 21 doe antelope were also killed in the Bhongaon Reserve of the Buldana Division, where complaints from cultivators of the adjacent fields had been frequent. Pigs and rats did some damage, as usual, to nurseries and young plantations in the Yeotmal and Akola Divisions. In the latter Division a rat-exterminator was used in nurseries with good effect.

Climbers—The cutting of climbers was carried out in all Circles. In the Northern Circle the expenditure was Rs. 912 against Rs. 638 in the preceding year. In the Southern Circle this work was carried out in all Divisions, an area of 93,450 acres having been worked over at a cost of Rs. 3,037 during the year, against 81,873 acres and Rs. 2,315 in the preceding year. In the Berar Circle this work on payment was confined to the Melghat Division, where climbers were cut over an area of 21,583 acres at a cost of Rs. 1,843. In other Divisions they were cut at the time of marking and cutting-back operations; a large number of creepers were cut by Forest guards as usual, no expense being incurred.

NATURAL REPRODUCTION.

15. (i) *State of existing reproduction.*—Reproduction from seed is reported to have been satisfactory for the Province as a whole except in Yeomai, Buldana, Amraoti and Melghat Divisions of the Berar Circle, though in some of the Northern Circle Divisions it is said to have been poor, especially the harra crop in the South Mandla Division, which was not up to the average, and where also practically little or no seed set. The monsoon was copious and continued well into the cold weather, while the hot weather of 1917 was remarkable for frequent showers which developed into a very early monsoon, and these climatic conditions gave excellent results as regards regeneration almost everywhere in the Southern Circle. As regards the absence of reproduction in the Divisions of the Berar Circle referred to above, the Conservator remarks that there seems to be no doubt that only a very small percentage of the seedlings that appear yearly are able to survive their first hot weather and the mortality in the next few years is also high. The 9,000 teak seedlings marked in 1915 in the Melghat Division, of which only 15 per cent were reported to be alive last year, were kept under observation during the year under report and it was found that only 6 per cent survived in July 1917. The Conservator observes that this heavy rate of mortality, combined with the small proportion of the forest area in which seedlings appear at all is sufficient to explain the comparative scarcity of recent seedling growth in the Melghat Reserves. The year under report was favourable for the reproduction by coppice, which has been reported to be satisfactory throughout the Province except in the Saugor Division of the Northern Circle, where the teak coppice is said to have been surprisingly poor in spite of the favourable season. It was also poor in some parts of the South Mandla Division. It is reported from the Balaghat Division that in the Baihar Range a number of sal trees of and over 4 feet girth, which were not intended to coppice and had been cut with high stumps, yielded vigorous shoots. In all cases these were found to have originated at ground level and not at the top of the stumps. Somewhat similar results have been observed in the South Raipur Division also. The results of the experiment referred to in the last year's report are still awaited.

(ii) *Measures for inducing or aiding reproduction.*—Nothing of importance is noted under this head in the Northern and Berar Circles. In the Southern Circle measures were carried out in all Divisions except Balaghat, North Chanda and North Raipur. In the Bilaspur Division bamboo seeds were sown broadcast during the rains of 1916 over an area of 10 acres but without result. In the South Chanda Division the area in which teak seed was sown last year in the Wainganga Felling Series was carefully examined during the year, but it is stated that up to date no seedlings have appeared. In the South Raipur Division sal seed, as an experiment, was sown under the shelter of *Tilia (Wendlandia exserta)* bushes over an area of 5 acres and *Tilia* seeds were sown in the open savannahs between sal belts. In another 4 acres *Tilia* seed was sown broadcast after first clearing the rank growth of grass. It is thought that this species will prove an effective nurse for sal.

16. *Tending operations in Natural Crops.*—The extent to which cutting back thinnings and other operations for the improvement of the growing stock were carried out during the year under report and the year preceding thereto is compared in the following statement :—

Circle.	Area in acres.		Cost.		Revenue.	
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.
1	2	3	4	5	6	7
			Rs.	Rs.	Rs.	Rs.
Northern	26,919	50,064	7,223	11,730	6,477	17,865
Southern	20,397	20,950	5,183	6,559	89	1,349
Total	53,427	60,664	11,291	14,558	16,503	23,997
	106,743	140,978	23,762	32,847	23,069	42,211

It will be seen that the area over which these operations were carried out rose from 100,743 acres in 1915-16 to 140,678 acres in 1916-17, an increase of nearly 40 per cent. More than half the increase was in the Northern Circle, while for the remainder the Southern and Berar Circles were more or less equally responsible. The increase in the Northern Circle is said to have been due partly to the ready sale of the cut material and to more money being available than in the preceding year. In the Hoshangabad Division the operations were extended to the areas affected by frost and in the Saugor Division these operations were considered preferable to granting extensions to coupe contractors. In the Southern Circle the increases occurred in the Balaghat, Bhandara, and Nagpur-Wardha Divisions, while in the Bilaspur Division the operations were undertaken, it appears, for the first time. In the Balaghat and Bhandara Divisions these operations were conducted in coppice coupes. In the Nagpur-Wardha Division a scheme of improvement fellings to aid the spread of teak in the unworked felling series of the East and West Pench Ranges was drawn up in pursuance of the recommendations made in paragraph 50 of the Working Plan, but could not be given full effect to on account of the grass operations. The usual improvement fellings in the interests of valuable species were carried out in the Allapilli Range of the South Chanda Division, all previous balances being cleared off, the work being now up to date.

The cost of these operations was Rs 32,847 against Rs. 23,702, the revenue being Rs. 43,211 against Rs 23,069, in addition to material estimated at Rs 2,717 remaining still to be sold in the Berar Circle.

The work of cutting back is of great importance, and it is satisfactory to note that the cost incurred was more than recouped by sales of the produce cut.

ARTIFICIAL REPRODUCTION.

17. (i) *Regular plantations.*—The Conservator, Northern Circle, now reports that in the areas under Regular Plantations shown by him last year 121 acres were wrongly included under this head, they actually belonged to "Cultural operations".

Consequently the total area under regular plantations at the beginning of the year under report was 739 acres instead of 860 acres as reported in last year's review, this area was increased to 733 acres at the close of the year. There were no alterations in the Northern Circle, but in the Southern Circle a further area of 6 acres was sown with *Pinus khasya* and 10 acres with Sal in the Balaghat Division, while 8 acres were added to the Yeota bamboo plantations in the Akola Division of the Berar Circle. Out of the total acreage of 763 acres under these plantations, 193 acres are under "Bamboo" (Northern Circle 131, Southern Circle 7 and Berar Circle 55); 385 acres are under "Teak" (Northern Circle 362 and Southern Circle 23); 159 acres under "Sandal" (Northern Circle 3 and Southern Circle 156) and 16 and 10 acres respectively under "Chirpine" and "Sal" entirely in the Southern Circle.

In the South Mandla Division sal seed was sown in *bewar* areas, but it did not germinate. Similarly bamboo seeds sown in the Damoh Division also failed. In the Saugor Division 1,000 bamboo seedlings were planted to stock the area in the Garhakota forest more fully. During the year efforts to procure the seed of *Pinus longifolia* having failed, the pine plantations near Supkhar in the Raigarh Range of the Balaghat Division were extended with seeds of *Pinus khasya*. The seed was sown in ploughed strips, but the results were disappointing in spite of the favourable nature of the season. The seed germinated well, but a large number of seedlings were destroyed by caterpillars during the monsoon and others perished from drought later in the year. The Conservator remarks that the climate of Supkhar is probably too dry and hot in the hot weather for this species and that working of the soil more deeply and shading of the young plants are both required. The area sown with sal gave excellent results, and it is stated that there is much scope for the introduction of sal in the mixed forests of these Divisions. In the experimental teak plantations started last year at Ganporel in the South Raipur Division seeds were sown broadcast over the same area, half of which was ploughed up and the area then burnt. It is reported that after a month numerous seedlings of 1 to 1½ inches high appeared. The Yeota bamboo plantations in the Akola Division of the Berar Circle continued to give good results. The revenue from these plantations during the year amounted

to Rs. 607 (or over Rs. 20 per acre) against Rs. 351 in the preceding year. The total expenditure on these plantations from their commencement has been Rs. 1,899 against a revenue of Rs. 7,104.

(ii) *Taungya Plantations*—These plantations are confined to the Berar Circle. The total area at the beginning of the year was 5,379 acres. To these 1,634 acres (Amraoti 1,045, Buldana 205, Akola 204 and Yeotmal 180) were added during the year, while an area of 602 acres was excluded as being fully stocked, thus the total area under this agri-sylvicultural system of artificial regeneration amounting to 6,411 acres at the close of the year. A system of annual payment instead of the payment of 7 years' rent in advance was introduced in the Amraoti Division with the result that an increase from Rs. 247 per acre to Rs. 631 per acre in the yearly rent was obtained. It is reported that several lessees in the Akola Division were fined for failure to comply with the conditions of their leases. The seed sown (teak) in the area given out in the Yeotmal Division failed to germinate and resowing was necessary.

(iii) *Other forms of artificial reproduction*—The work of planting suitable shade trees in camping grounds in the Hoshangabad Division was continued during the year, but out of the 266 trees planted 12 were failures. It is reported that the sowings of teak, shisham, etc., in past years on selected plots in the Nampur-Wardha Division have not shown successful results. Katang bamboos were sown in the West Panch Range of this Division and the germination is said to be fairly satisfactory. The sowing of sandal seed in the Akola Division was continued during the year. The sandal seedlings of previous years in this and the Buldana Divisions are reported to be thriving. The Chief Conservator is glad to be able to record his appreciation of the work of Mr. Inamati Shama Rao in this direction. From inspection of the results already attained it seems probable that in time considerable areas of very poor forests will become valuable sandal wood areas. His efforts too in regard to the increase of the bamboo supply should prove of value to the local cultivators.

800 teak seedlings obtained from the surrounding forests were planted out into an abandoned "barra" field in the Melghat Division, and earthed up on the Kanara [Bambay] system. Only 155 survived the hot weather. Better results were, however, obtained with 200 plants put out and tended in a similar manner on a small blank area in another locality of the same Division, 149 plants being alive in July 1917. The difference in success is said to be probably due to the fact that the second plot was within a couple of miles from the Range Headquarters, while the first was 15 miles away.

EXPLOITATION—MAJOR PRODUCE.

18. In the following statement are compared the areas subjected to the various methods of sylvicultural treatment during the last two years:—

Circle.	Clear felling. (Acres.)		Selection felling. (Acres.)		Improvement felling. (Acres.)		Coppice with standard felling. (Acres.)		Thinnings of poles. (Acres.)		Total. (Acres.)	
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern	...	...	6,649	8,083	55,128	54,557	4,651	5,519	...	...	66,428	68,259
Southern	57	140	467	1,547	25,825	19,635	38,282	42,118	...	...	61,631	63,440
Berar	945	764	...	...	50,424	48,362	16,035	19,406	...	...	67,385	68,621
Total	982	904	7,116	9,630	131,377	122,554	58,969	67,231	...	...	198,444	200,321

This figure has now been corrected from 12,566 acres to 6,649 acres with the remark that last year's figure was wrongly included in the area marked over.

Had it not been for the mistake now found out in the Northern Circle in the acreages given for the year 1915-16 under "Selection Felling", there would have been a decrease of 4,040 acres in the year under report over the preceding year in the total areas worked under these methods for the Province as a whole. Allowing for an error in last year's figures of the Northern Circle...

It will be seen that the area over which these operations were carried out rose from 100,743 acres in 1915-16 to 140,678 acres in 1916-17, an increase of nearly 40 per cent. More than half the increase was in the Northern Circle, while for the remainder the Southern and Berar Circles were more or less equally responsible. The increase in the Northern Circle is said to have been due partly to the ready sale of the cut material and to more money being available than in the preceding year. In the Hoshangabad Division the operations were extended to the areas affected by frost and in the Saugor Division these operations were considered preferable to granting extensions to coupe contractors. In the Southern Circle the increases occurred in the Balaghat, Bhandara, and Nagpur-Wardha Divisions, while in the Bilaspur Division the operations were undertaken, it appears, for the first time. In the Balaghat and Bhandara Divisions these operations were conducted in coppice coupes. In the Nagpur-Wardha Division a scheme of improvement fellings to aid the spread of teak in the unworked felling series of the East and West Pench Ranges was drawn up in pursuance of the recommendations made in paragraph 50 of the Working Plan, but could not be given full effect to on account of the grass operations. The usual improvement fellings in the interests of valuable species were carried out in the Allapilli Range of the South Chanda Division, all previous balances being cleared off, the work being now up to date.

The cost of these operations was Rs. 32,847 against Rs. 23,702, the revenue being Rs. 43,211 against Rs. 23,069, in addition to material estimated at Rs. 2,717 remaining still to be sold in the Berar Circle.

The work of cutting back is of great importance, and it is satisfactory to note that the cost incurred was more than recouped by sales of the produce cut.

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Consequently the total area under regular plantations at the beginning of the year under report was 739 acres instead of 860 acres as reported in last year's review, this area was increased to 733 acres at the close of the year. There were no alterations in the Northern Circle, but in the Southern Circle a further area of 6 acres was sown with *Pinus Khasya* and 10 acres with Sal in the Balaghat Division, while 8 acres were added to the Yeota bamboo plantations in the Akola Division of the Berar Circle. Out of the total acreage of 763 acres under these plantations, 193 acres are under "Bamboo" (Northern Circle 131, Southern Circle 7 and Berar Circle 55); 385 acres are under "Teak" (Northern Circle 362 and Southern Circle 23); 159 acres under "Sandal" (Northern Circle 3 and Southern Circle 156) and 16 and 10 acres respectively under "Chirpine" and "Sal" entirely in the Southern Circle.

In the South Mandla Division sal seed was sown in *bewar* areas, but it did not germinate. Similarly bamboo seeds sown in the Damoh Division also failed. In the Saugor Division 1,000 bamboo seedlings were planted to stock the area in the Garhakota forest more fully. During the year efforts to procure the seed of *Pinus longifolia* having failed, the pine plantations near Supkhar in the Raigarh Range of the Balaghat Division were extended with seeds of *Pinus khasya*. The seed was sown in ploughed strips, but the results were disappointing in spite of the favourable nature of the season. The seed germinated well, but a large number of seedlings were destroyed by caterpillars during the monsoon and others perished from drought later in the year. The Conservator remarks that the climate of Supkhar is probably too dry and hot in the hot weather for this species and that working of the soil more deeply and shading of the young plants are both required. The area sown with sal gave excellent results, and it is stated that there is much scope for the introduction of sal in the mixed forests of these Divisions. In the experimental teak plantations started last year at Gangrel in the South Raipur Division seeds were sown broadcast over the same area, half of which was ploughed up and the area then burnt. It is reported that after a month numerous seedlings of 1 to 1½ inches high appeared. The Yeota bamboo plantations in the Akola Division of the Berar Circle continued to give good results. The revenue from these plantations during the year amounting to Rs. 1,117 was credited to the Forest Revenue account.

to Rs. 607 (or over Rs. 20 per acre) against Rs. 351 in the preceding year. The total expenditure on these plantations from their commencement has been Rs. 1,899 against a revenue of Rs. 7,104.

(ii) *Taungya Plantations*—These plantations are confined to the Berar Circle. The total area at the beginning of the year was 5,379 acres. To these 1,634 acres (Amraoti 1,045, Buldana 205, Akola 104 and Yeotmal 180) were added during the year, while an area of 602 acres was excluded as being fully stocked, thus the total area under this agri-sylvicultural system of artificial regeneration amounting to 6,411 acres at the close of the year. A system of annual payment instead of the payment of 7 years' rent in advance was introduced in the Amraoti Division with the result that an increase from Rs. 2.47 per acre to Rs. 6.31 per acre in the yearly rent was obtained. It is reported that several lessees in the Akola Division were fined for failure to comply with the conditions of their leases. The seed sown (teak) in the area given out in the Yeotmal Division failed to germinate and resowing was necessary.

(iii) *Other forms of artificial reproduction.*—The work of planting suitable shade trees in camping grounds in the Hoshangabad Division was continued during the year, but out of the 266 trees planted 12 were failures. It is reported that the sowings of teak, shisham, etc., in past years on selected plots in the Naupur-Wardha Division have not shown successful results. Katang bamboos were sown in the West Pench Range of this Division and the germination is said to be fairly satisfactory. The sowing of sandal seed in the Akola Division was continued during the year. The sandal seedlings of previous years in this and the Buldana Divisions are reported to be thriving. The Chief Conservator is glad to be able to record his appreciation of the work of Mr. Inamati Shama Rao in this direction. From inspection of the results already attained it seems probable that in time considerable areas of very poor forests will become valuable sandal wood areas. His efforts too in regard to the increase of the bamboo supply should prove of value to the local cultivators.

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EXPLOITATION—MAJOR PRODUCE.

18. In the following statement are compared the areas subjected to the various methods of sylvicultural treatment during the last two years :—

Circle.	Clear felling. (Acres.)		Selection felling. (Acres.)		Improvement felling. (Acres.)		Coppice with standard felling. (Acres.)		Thinnings of poles. (Acres.)		Total. (Acres.)	
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern	...	...	* 6,649	8,083	55,128	54,557	4,651	5,519	...	...	66,428	68,259
Southern	...	57	140	467	1,547	25,825	19,635	38,282	42,118	...	64,631	63,440
Berar	...	945	764	...	...	50,424	48,362	16,035	19,406	...	67,385	68,628
Total.	988	904	7,116	9,630	131,377	122,554	58,969	67,231	...	...	198,444	200,327

* This figure has now been corrected from 12,566 acres to 6,649 acres with the remark that last year's figure was wrongly included in the area marked over.

Had it not been for the mistake now found out in the Northern Circle in the acreages given for the year 1915-16 under "Selection Felling", there would have been a decrease of 4,040 acres in the year under report over the preceding year in the total areas worked under these methods for the Province as a whole. Allowing for an error in last year's figures of the Northern Circle explained in the

in 1915-16, an increase of 1,877 acres. There was a decrease of 1,191 acres in the Southern Circle (from 64,631 acres to 63,440 acres), but against these increases of 1,831 acres (from 66,428 to 68,259) and of 1,237 acres (from 67,385 to 68,622) occurred respectively in the Northern and Berar Circles.

Clear Fellings.—These were carried over an area of 904 acres against 982 acres and comprised the fellings in the babul bans of the Amraoti, Akola and Buldana Divisions of the Berar Circle and simple coppice fellings in the North Chanda Division of the Southern Circle.

Selection Fellings.—The area worked over by this method amounted to 9,630 acres against 7,116 acres. In the Northern Circle these were mostly confined to the South Mandla Division, though in the North Mandla Division also 210 mature teak trees were marked for fellings over an area of 250 acres. In the Southern Circle these fellings were carried out in the Allapilli Range of the South Chanda Division by the lessees, Messrs Bhickraj Sagarmal Bagla, but their work is much in arrears.

Improvement Fellings.—The area covered by these fellings fell from 131,377 acres in 1915-16 to 122,554 acres in the year under report a decrease of 8,823, which was shared by all circles. These fellings carried out in all Divisions of the Province except the Nagpur-Wardha Division of the Southern Circle, but in several Divisions the full areas prescribed under the working plans could not be worked.

Coppice with standards.—A total area of 67,233 acres against 58,969 acres in the preceding year was worked over under this method of treatment, an increase of 8,264 acres. Increases occurred in every Circle and was shared by Northern Circle 968 acres, Southern Circle 3,836 and Berar Circle 3,460. The increase in the Northern Circle occurred in the North-Mandla Division due to opening out of more markets and it is hoped that the demand in this Division may prove to be permanent. In the Southern Circle efforts are being made in all Divisions to reduce the extensions of time given to purchasers, the contractors having to work their areas within the year, and this appears to be the reason for the increase. It is reported that in the Balaghat Division extensions for removal are given free to satisfactory contractors, but for fellings, if granted, it is only on payment of a monthly fee. Here again the military grass operations are said to have interfered with the work of the coppice coupes in the Nagpur-Wardha and Bhandara Divisions. The increase in the Berar Circle occurred mainly in the Yeotmal Division where the provisions of the proposed working-plan have been brought into force. In the Amraoti Division an area of 263 acres was not worked owing to too low prices being offered. It is reported that this system is not suited to the poor ghat forests in the Division, as it exposes the soil too much and that it is also financially unsatisfactory, as much of the material is unsaleable. It is therefore proposed to substitute "Improvement fellings" in the new plan now under compilation.

EXPLOITATION—MINOR PRODUCE.

19. The following statement compares the kinds of minor forest produce extracted from the forests and their values (except grazing) during the last two years:—

Forest Produce.	Northern Circle.		Southern Circle.		Berar Circle.		Total.		Increase or decrease.
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	
1	2	3	4	5	6	7	8	9	10
Batta	Rs. 16,549	Rs. 18,310	Rs. 48,418	Rs. 36,182	Rs. 2,748	Rs. 2,535	Rs. 61,087	Rs. 47,107	- 14,980
Inc. +	3,017	1,762	6,385	8,98	1,436	1,492	30,338	22,574	+ 7,764
Mahua and Aohar	4,781	3,567	3,548	3,271	1,108	1,206	9,441	10,146	+ 705
Hide and horns	3,399	3,498	3,082	1,856	2,447	4,063	16,200	17,147	+ 947
Bamboo	61,795	78,977	99,231	96,939	94,518	113,171	2,55,519	2,80,240	+ 24,721
Under grass	27,876	36,072	11,758	9,064	87,249	118,822	1,26,083	1,54,878	+ 28,795
Teakling grass	—	—	69,705	63,087	106	309	69,871	63,390	+ 6,481
Teak grass	11,015	1,424	—	—	16,830	33,901	17,045	38,195	+ 21,150
Teak oil	—	3,353	—	—	342	336	442	—	+ 442
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—	—	—	—	—	—	—	—	—
Teak bark	—	—	—	—	—	—	—	—	—
Teak leaves	—	—	—	—	—	—	—	—	—
Teak twigs	—	—	—	—	—	—	—	—	—
Teak fruit	—	—	—	—	—	—	—	—	—
Teak seed	—								

The total value of all minor forest produce extracted during the year under report amounted to Rs. 7,50,928 against Rs. 6,83,689 in the year 1915-16. While the decrease of Rs. 29,723 in the Southern Circle was more or less compensated by an increase of Rs. 30,680 in the Northern Circle, the values in the Berar Circle rose by Rs. 66,282, thus the net result was an increase of Rs. 67,239 for the whole Province. The products which showed better results were mainly Lac (Rs. 13,236), Mahua and Achar (Rs. 705), Bamboos (Rs. 33,830), Fodder grass (Rs. 27,895), Rusa grass (Rs. 17,480), Catechu (Rs. 3,333) and Minerals (Rs. 891); i. e., a total of Rs. 97,370, which was reduced to Rs. 67,239 by a total decrease of Rs. 30,131 which was contributed to by Rs. 14,380 under Harra, Rs. 1,081 under Hides and Horns, Rs. 6,581 under thatching grass, Rs. 12 under Rusa oil and Rs. 8,077 under "Miscellaneous". The increase under 'Lac' was shared by all Circles, chiefly the Northern and Southern Circles. In the former (Rs. 11,767) it occurred almost entirely in the Damoh Division (Rs. 13,098 against Rs. 1,125) and is said to be due to good 'kutki' crop and a better market, to which latter reason the rise in the Southern Circle which took place in the Bilaspur Division is also ascribed.

The marked increase of Rs. 33,830 under "Bamboos" was composed of Northern Circle (+Rs. 17,207), Southern Circle (-Rs. 2,292) and Berar Circle (+Rs. 18,915). In the Northern Circle the rise in the value occurred in the North Mandla Division, due to the enhanced rates sanctioned for the Mandla Range and floating operations undertaken down the Nerbudda River; in the Jubbulpore Narsinghpur Division, due to larger exports to Allahabad and greater accessibility of some of the coupes open in the year; in the Hoshangabad Division, due to the better demand and the introduction of the monopoly *cum* royalty system in two of the Ranges; in the Seoni Division it was ascribed to the abolition of differential rates for green and dry bamboos and the fixation of a mean rate and in the Chhindwara Division to the better demand.

It is reported that the bamboos cut in the Bori block of the Hoshangabad Division did not find a market on account of the ease with which they split. To remedy this an experiment was made this year by soaking the bamboos in water for six weeks after cutting with the result that the bamboos so treated were found then to have no special tendency to split.

The Division chiefly responsible for the decrease in the Southern Circle was the North Chanda Division in which the substitution of the commercial rate of Rs. 3-2-0 per 100 for an agricultural rate of Rs. 1-9-0 affected the export of this produce to Berar. It appears however that this adverse effect is only temporary, as towards the close of the year the trade is said to have greatly improved. The rise in the Berar Circle was divided between the Melghat, Buldana and Betul Divisions. In the first named Division owing to a good demand for bamboos many villagers preferred to export bamboos instead of timber. A demand for this product to construct plague huts and reduction in the rate from Rs. 1-9-0 to Re. 1 per hundred for dry bamboos from the Ambabarwa Reserve contributed towards the increase in the Buldana Division. In the Dabka Savalmendha and South Tapti Ranges of the Betul Division it was observed that bamboos had been over-felled owing to a large demand from Berar. The rate per 100 was therefore raised from Rs. 1-8-0 to Rs. 1-12-0.

Under Fodder grass the Northern and Southern Circles showed decreases of Rs. 1,604 and Rs. 2,074 respectively, but these decreases were more than covered by an increase of Rs. 31,573 in Berar Circle, attributed to the poor crop of karbi. While the better village fodder and good juar crop resulted in the reduction in the Northern Circle, in the Southern Circle it is assigned to the military grass operation in the Nagpur-Wardha and North Chanda Divisions from which Divisions only grass is said to be removed in any quantity.

For the increase of Rs. 17,480 under "Rusa grass" the Berar Circle was almost entirely responsible (there being an increase of Rs. 409 in the Northern Circle) and it occurred mainly in the Melghat and Betul Divisions. In the former Division the increase was more apparent than real as the figures included two years' revenue. The increase in the Betul Division is attributed to better prices realized at auction sales owing to a revival in the market value of the Rusa oil. The increase of Rs. 3,333 under "Catechu" occurred wholly in the Northern Circle. The revenue from this produce used to be included in that under "Mis-

The increases under "Mohua and Achar" and "Minerals" are too small to require any explanations. Out of the decrease of Rs. 30,131 for the Province as a whole, Harra showed a fall of Rs. 14,380, Thatching grass Rs. 6,581 and Miscellaneous Rs. 8,077. The decrease under "Harra" occurred in the Southern Circle (—Rs. 16,256), this was due to abnormally high prices realized in 1915-16 in the Balaghat Division (Rs. 30,400 as compared with Rs. 21,667 during 1916-17). The Conservator observes that the prices realized from the sale of Harra leases in the North and South Raipur Divisions are very possibly much below the market value, and it is likely that there is a good deal of theft, the produce being passed off as coming from malguzari lands with which the Government forests are much interlaced. He adds that it is not easy to suggest a practicable remedy, but the matter has not been lost sight of.

The fall of Rs. 6,581 under "Thatching grass" occurred entirely in the Southern Circle, there being an increase of Rs. 103 in the Berar Circle. The restrictions which had to be put on the cutting of this grass on account of the supplies required for the army resulted in the fall of revenue from this source in the North Chanda, Nagpur-Wardha and Bhindara Divisions. In the North and South Raipur Divisions efforts have been made to reduce the high prices which purchasers of thatching grass have to pay to lessees of grass birs by throwing open to licenses considerable areas formerly leased out. It appears however that licenses are only taken out by persons living close to the forest, and the bulk and the grass goes to villagers at a distance who are unwilling to cut and collect the grass themselves and prefer to pay a higher price for ready cut grass. The areas open to licenses are thus little resorted to and the requirements of the people are largely met from the malguzari forests with considerable profit to their owners.

By a comparison it has been shown that there has been no increase this year in the sale of licenses and that the retail price for cut grass though high, has been paid without any apparent difficulty; a satisfactory indication, the Conservator remarks, that the scheduled rates are well below the market value. Attempts are being made this year to reduce the rates by departmental operations.

The decrease under "Miscellaneous" was shared by all Circles. The fall in the Northern Circle is more apparent than real as the last year's figures were inclusive of revenue from "Rusa grass" and "Catechu" which have this year been shown separately. The reduction in the Berar Circle occurred, it would appear, mainly in the Nimar Division. The Divisional Forest Officer remarks that large quantities of minor forest produce are stolen, and it is impossible to give lessees adequate protection owing to the proximity of malguzari and raiyatwari areas, especially the latter. In order to afford greater protection the question of the disposal of certain non-edible minor products in raiyatwari areas was raised, and it was decided by the Commissioner and the Deputy Commissioner that the raiyats had no rights over rusa grass, lac and gum, which products in these areas will in future be included in the forest leases.

Grazing.—The total number of animals grazed in Government forests during the year, the value of the grazing if calculated at full rates and the actual revenue realized are compared with similar figures of the preceding year in the following statement:—

Circle.	Year.	Buffaloes.	Cows and bullocks.	Sheep and goats.	Other animals.	Total animals.	Value at full rates.	Revenue actually received.			Total.
								Revenue.	Transit and nomadic.	Suitax.	
1	2	3	4	5	6	7	8	9	10	11	12
							Rs.	Rs.	Rs.	Rs.	Rs.
Northern	1915-16	141,143	560,448	38,668	3,418	2,141,577	7,94,608	4,12,783	28,970	...	4,41,753
	1916-17	143,848	590,185	35,119	3,387	2,100,577	7,69,868	3,94,174	31,715	...	4,26,889
Southern	1915-16	60,856	681,310	85,975	319	774,810	5,90,617	2,44,400	9,814	...	2,54,214
	1916-17	61,146	584,157	79,096	265	732,664	5,80,947	2,25,153	12,318	...	2,37,471
Berar (Nimar and Betul only).	1915-16	59,724	226,439	1,896	268	268,315	2,71,079	1,39,643	3,507	...	1,43,150
	1916-17	40,634	220,641	602	237	207,705	2,76,174	1,37,705	0,206	...	1,43,911
Total Central Province and Berar.	1915-16	261,723	1,468,196	127,443	2,033	2,134,800	10,60,964	7,96,833	42,477	...	8,39,310
	1916-17	245,628	1,395,983	115,827	2,899	2,091,006	7,59,069	7,57,009	56,229	...	8,15,238
Berar (proper only)	1915-16	120,800	272,033	15,405	2,595	1,450,832	7,49,146	5,33,880	9,011	853	5,43,744
	1916-17	120,830	1,018,248	137,537	2,655	1,459,274	7,82,659	5,44,415	12,064	2,174	5,56,653
Total Northern Circle and Berar.	1915-16	382,523	2,740,429	228,824	5,408	3,646,032	22,10,050	13,30,713	61,488	853	13,92,007
	1916-17	369,291	2,414,416	204,966	4,404	3,588,071	22,80,648	13,35,144	62,823	2,174	13,97,941
Difference		13,232	326,013	23,858	1,004	59,961	—23,422	—9,885	—10,331	—1,271	—1,271

The total number of animals grazed fell from 3,645,032 in 1915-16 to 3,581,780 in the year under report and this fall comprised buffaloes 380, cows and bullocks 33,038, sheep and goats 29,300 and other animals 534. In the Berar Districts there was an increase of 30,542 animals, but this was more than compensated by the decreases of 41,100, 52,146 and 548 animals respectively in the Northern and Southern Circles and the Nimar and Betul Divisions of the Berar Circle, the result being a net reduction of 63,252 animals for the whole Province.

The decrease in the Northern Circle was due to more cattle in the North Mandla Division resorting to the raiyatwari areas and in the Jubbulpore-Narsinghpur and the Chhindwara Divisions to the Jagir forests of the latter District. In the Hoshangabad Division a good juar crop served as plentiful fodder for the village cattle, which were consequently homed.

The reduction in the Southern Circle occurred in the Bhandara, North Chanda, Balaghat, Nagpur-Wardha, and South Raipur Divisions. In the Bhandara Division, where the decrease was slight, it is attributed to the misunderstanding on the part of cattle owners as to taking out certificates from the Patwaris by the end of June. The Conservator adds that it may have been, as the Commissioner remarks, due to timely rains in the hot weather. The decrease in the North Chanda occurred among "commercial" rate cattle and was about equivalent to the increase reported last year. In the Nagpur-Wardha Division further reduction in the number of animals admitted to grazing has been effected in conformity with the provisions of the working-plan. The reduction of the number of cattle in this Division has been proceeding gradually over four years without, the Deputy Commissioner remarks, exciting any complaints from the people, and is a notable achievement, the credit for which is due to Rao Bahadur S. Shrinivasulu Nayadu, the Divisional Forest Officer. It is interesting to note that in the Wardha District, where the grazing intensity is probably more acute than elsewhere in the Circle, the people are reported to have begun to set aside part of their village lands for grazing and allow these areas to remain fallow. The Divisional Forest Officer, South-Raipur Division, considers that the decrease in his Division was due to good crops and plentiful fodder to cattle sent to malguzari and zamindari forests, partly on account of closure of coupes under the working-plan.

The prescriptions of the working-plan for the mixed forests of the Balaghat Division came into force and necessitated considerable restrictions on the number of cattle admitted to overgrazed areas. It is satisfactory to record that remarkably little opposition has been raised to these measures. The Deputy Commissioner remarks and the Conservator agrees with him, that the absence of complaints shows that the grazing problem was well dealt with by the Working Plans Officer (Mr. Carr) and by the Revenue Officer (Mr. B. N. De) who reported on it.

In the Berar Circle, though there was a marked decrease in the number of sheep and goats grazed in the forests, due partly to the transfer of considerable areas from C class to A class in the Yeotmal Division, in which latter class of forests the grazing of these animals is prohibited, and partly to nomadic herds of cattle from outside Berar being excluded from the C class forests, increases occurred in the number of buffaloes and cows and bullocks. The increase in the former cattle took place, mainly in the Amraoti, Buldana and Nimar Divisions, there being decreases in the Akola and Betul Divisions. The rise in the Amraoti and Nimar Divisions is said to be due to better supervision. The fall in the Akola Division is attributed to these animals being partly stalled and partly grazed in the village lands and that in the Betul Division is ascribed to the abundance of grass available for grazing throughout the District. The increase in the number of bullocks and cows was shared by all Divisions, except Buldana and Betul, and is said to be due to the more accurate preparation of the Patwari lists and also to greater care and better supervision exercised by the Forest Staff. The decrease in the Buldana Division is attributed to agricultural cattle not resorting to the C class forests owing to want of fodder in them, thus compelling tenants to send more cattle to the A class forests.

In the Betul Division there was a general decrease. It is reported that the inhabitants of many malguzari villages used to take out licenses for their cattle because their Government license carried the privilege of grazing in adjoining raiyatwari areas; this privilege was withdrawn by the Deputy Commissioner during the year so that the residents of these Malguzari villages went elsewhere for their grazing and, as this left more grazing in raiyatwari areas, a number of Ryotwari people were able to do without Forest pasture.

Out of the total number of animals (3,581,780) grazed in Government forests during the year 1,581,864 animals against 1,589,920 animals grazed at full rates, 1,732,682 animals against 1,789,987 grazed at privileged rates, including those at ordinary rates also and 267,234 against 265,125 animals grazed free. It will be seen from this that though the decrease in the number of animals grazed at privileged rates more or less corresponds to the reduction in the total number of animals grazed, there has been a further decrease in the number of animals grazed at full rates, thus more than half the total animals were allowed grazing at concessional rates, and this shows that the people are treated more liberally in this respect from year to year.

The grazing incidence in the Northern Circle ranged from 2.4 acres per animal in the Hoshangabad Division to 5.6 acres per animal in the South Mandla Division.

The highest incidence in the Southern Circle was returned by the Bilaspur Division with 13.1 acres per animal, the lowest 3.5 acres per head falling in the Nagpur-Wardha Division.

In the Berar Circle this incidence in the A class forests varied between 1.5 acres per head in the Melghat Division to 3.2 acres per head in the Yeotmal Division and in the C class forests it stood at 0.5 acre in the Buldana and Yeotmal Divisions. These incidences for the Nimar and Betul Divisions were 6.65 and 5.81 acres respectively.

Calculated on the areas open to grazing for the whole year the incidence for the whole Province stood at 2.9 acres against 2.8 acres in the preceding year.

The actual revenue derived from the total animals grazed in Government forests fell slightly (from Rs. 13,30,712 in the year 1915-16 to Rs. 13,21,424 in the year under report, i. e., a decrease of Rs. 9,288). Had all these animals been charged full rates of grazing royalty, the total value of grazing would have amounted to Rs. 23,80,648. In addition to the actual revenue of Rs. 13,21,424 referred to above transit fees to the extent of Rs. 62,313 (animals 437,034) were recovered against Rs. 51,482 and the surtax for grazing in the A class forests of Berar yielded a revenue of Rs. 2,174 against Rs. 853. The increase of Rs. 1,321 under this head is ascribed to throwing open general grazing during the hot months, on payment of Re. 0-2-0 to Re. 0-4-0, the areas reserved for fodder grass in the Yeotmal Division according to the demand for grazing in any particular area. Besides this Rs. 3,159 was levied on 4,199 buffaloes in the Melghat Division as fees for grazing of these animals in the raiyatwari waste (*vide* Appendix I, paragraph 26, Working plan), thus bringing the total actual income from grazing to Rs. 13,85,911 against Rs. 13,83,047, i. e., an increase of Rs. 2,864.

The Divisional Forest Officer, Nimar Division, has made some interesting remarks on the working of the grazing rules. The Patwaris in that District issued just under 18,000 plough certificates and practically the whole of these were checked by the Forest Staff. Plough certificates showing a higher incidence than one plough to 20 acres were challenged and 146 cases were discovered in which the number of ploughs had been incorrectly given. The Deputy Commissioner took strong action where cases of fraud were brought home to the Patwaris and seven men were punished in this connection. The consolidated "Titamma Milan Khasras" were also examined and in certain cases an increase in the number of working plough listed was found to coincide with an actual drop in the areas under cultivation. The Divisional Forest Officer has made some suggestions for improved check and also in regard to the payments to Patwaris, which are supported by the Deputy Commissioner and Commissioner, Nerbudda Division, and the Conservator should go further into the matter.

AGENCY OF EXPLOITATION—DEPARTMENTAL AGENCY.

20. The following statement compares the outturn of major forest produce in cubic feet in thousands and the value of minor forest produce extracted from

the forests by departmental agency during the last two years —

Circle	Year	Major Produce			Minor Produce (Cubic Feet)			
		Timber	Fuel	Other	Teak	Other	Charcoal	Other
Northern	1915-16	10	224	537	315	501	202	450
	1916-17	314	721	535	1370	29	2899	150
Southern	1915-16	89	79	168	4,416	4,757	1,085	0,283
	1916-17	206	263	503	4,150	6,234	7,095	17,529
Berar	1915-16	269	224	403	173	2,282	2,230	2,040
	1916-17	170	415	595	1,384	1,705	2,208	5,700
Total	1915-16	671	527	1,198	5,209	7,510	6,989	19,823
	1916-17	760	899	1,650	4,150	6,234	7,095	17,529
Difference	...	+89	+372	+461	-1,059	-1,346	+106	-2,299

The total outturn of major forest produce during the year amounted to 1,659 thousand cubic feet against 1,198 thousand cubic feet in 1915-16, of which 760 thousand cubic feet against 671 thousand cubic feet was "Timber" and 899 thousand cubic feet against 527 thousand cubic feet was "Fuel". While the outturn of both the timber and fuel in the Northern Circle remained nearly the same as last year (535 against 537), there were increases of 187 thousand cubic feet in timber and 184 thousand cubic feet in fuel in the Southern Circle, and in the Berar whereas the outturn of timber fell from 269 thousand cubic feet to 170 thousand cubic feet, that under fuel showed an increase from 224 to 415. Thus the net increase for the whole Province was 461 thousand cubic feet (89 timber and 372 fuel).

It is reported that the introduction last year of the system of sale of standing coupes to contractors in the place of departmental operations in the Damoh Division has worked quite successfully. The increases in the Southern Circle, which are more than treble the last year's outturn, mainly occurred in the South-Chanda Division in respect of timber and in the North-Chanda Division in respect of 'Fuel' due to the departmental working of teak in the Allapilli Range and of Coupe No. 5 of the Walvat Felling Series in the Haveli Range respectively. In the latter Division the work was undertaken as a demonstration to lessees to show how a coupe should be worked, and it is reported that the results were interesting. Timber, firewood and charcoal are being sold and the net revenue per acre is calculated at Rs. 3-6-0 against Rs. 2 to Rs. 2-8-0 obtained by auction sales. Larger sales of timber from the teak High Forests of the Sonakhan Range in the North Raipur Division and from both Sihawa Ranges of the South Raipur Division have also contributed to the increase.

It is stated that much useful work is being done in South Chanda in bringing teak, bijasâl and other timbers to the Ballarshah Depôt for sale. Some of this was kept back in the expectation of its being required for the Military Authorities. Haldu is being tested for various purposes and Ain poles were sold as pit props at quite remunerative prices.

The decrease in the outturn of timber in the Berar Circle occurred mainly in the Melghat and Betul Divisions and is said to be due in the former to small quantity of saleable timber felled in the cutting back operations, which were chiefly restricted to stems under 18" girth and in the latter to the exploitation of fewer coupes. The increase in the outturn of fuel was shared by all Divisions except Melghat and Amraoti. In the Melghat Division the decrease was due to unsaleable poles from cutting back operations having been incorrectly brought on to the books as fuel in the previous year's figures and in Amraoti to the stoppage of coppice with standards working in the mixed forests. The increase in the remaining Divisions, except Yeotmal, was due to large areas being exploited. In Yeotmal it was due to cutting of coupe lines and boundary lines necessitated by changes of area provided for in the working plan.

The value of minor forest produce extracted fell from Rs. 19,828 in 1915-16 to Rs. 17,529 in 1916-17, a decrease of Rs. 2,299 which was shared by all kinds of products. 41 tons of Aonla and Seja bark were collected in the Jubbulpore-Narsinghpur Division for supply to the Government Tannery at Allahabad, in connection with important experiments now being carried out to augment the supply of tan stuffs.

AGENCY OF EXPLOITATION—PURCHASERS

21. The amount of major produce in cubical contents in thousands and of minor produce in value removed from the forests by purchasers and consumers during the year is compared with that in the preceding year in the following statement :—

Circle.	Year.	Major produce.			Minor produce (in value)				
		Timber (in thousands)	Fuel (in thousands).	Total (in thousands)	Bamboos	Grass	Grazing.	Other.	Total.
1	2	3	4	5	6	7	8	9	10
		Cft.	Cft.	Cft.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern	1915-16	1,613	4,194	5,807	59,604	19,713	4,41,753	79,258	6,00,388
	1916-17	2,135	4,706	6,841	75,587	18,380	4,25,889	93,120	6,19,285
Southern	1915-16	3,832	15,766	19,598	92,946	74,448	2,54,220	75,553	4,95,167
	1916-17	4,003	15,111	19,114	94,325	65,295	2,47,350	55,279	4,12,249
Berar	1915-16	769	2,228	2,997	88,541	71,495	6,87,074	40,219	9,10,329
	1916-17	905	2,450	3,355	1,06,289	1,14,161	7,22,672	74,131	10,17,253
Total	1915-16	6,214	22,188	28,402	2,41,094	1,75,716	11,83,047	2,12,030	20,11,887
	1916-17	7,043	22,247	29,290	2,76,199	1,97,838	13,85,911	2,22,859	20,82,787
Difference		+829	+59	+888	+35,105	+22,122	+1,48,664	+10,809	+70,900

For the Province as a whole there was an increase both under major and minor produce. While the outturn of timber and fuel rose from 6,214 to 7,043 (an increase of 829) thousand cubic feet and from 22,188 to 22,247 (an increase of 59) thousand cubic feet respectively, there were increases of Rs. 35,105, Rs. 22,122, Rs. 2,864 and Rs. 10,809 under bamboos, grass, grazing and other minor produce respectively. Except under fuel in the Southern Circle, which showed a small decrease, the increase in the outturn of major produce was shared by all Circles.

In the Northern Circle, though the increase was common to all Divisions owing to thorough working of coupes by contractors either under better control or by extensions granted, it is principally attributed to the inception, for the first time, in the Damoh Division, of the system of sale of standing coupes, which alone accounts for an increase of nearly 442 thousands of cubic feet. In the Hoshangabad Division there is reported to have been a good market for teak timber owing to the shortage of supplies from Burmah due to want of shipping facilities. Complaints by certain villagers in the Saugor District regarding the difficulty of obtaining their requirements for timber and fuel through coupe contractors was brought to the notice of the Divisional Forest Officer by the Deputy Commissioner, and the matter is being enquired into.

The increase in timber in the Southern Circle principally occurred in the South Raipur Division and is due to better sales of standing coupes. There was also an increase in the North-Chanda Division under timber and fire-wood. The fall under fuel in the Bhandara and Nagpur-Wardha Divisions was due to the areas exploited being poorly stocked in the former and to want of demand in the latter. In this Division the decline was to some extent attributed to the interference to extraction caused by the Army Hay operations. Excepting the lessees of Allapilli forests, Messrs. Bhickraj Sagarmal Bagla, the work of other contractors is reported to have been satisfactory.

The increase in the Berar Circle occurred in the Yeotmal, Akola and Nimar Divisions. In the former it was due to additional coupes being worked and in the Akola Division the coupes open for exploitation were more productive than those of the preceding year. The variations under minor produce have already been explained in one of the preceding sections, "Exploitation—Minor produce".

Right-holders—The quantity of forest produce removed by right holders, was practically the same as in the preceding year and is confined to the Berar Circle.

Free Grants—As compared with the preceding year of timber and fuel removed for free grants, the quantity increased to 1,600 thousand cubic feet, specially, the value of the same stood at Rs. 1,76,180 against Rs. 1,74,000 in the preceding year. The produce being of all kinds of produce except "oil" and "gum". The produce was made up of forest villages for home consumption and for other uses. Some of the produce was destroyed by fire and to forest lessees. They were also made up to the Forest Works Department in the Balaghat and Damoh Divisions for use in the roads and in buildings.

OUTTURN AND SOURCES OF FOREST PRODUCE

23. The total outturn of major forest produce and the value of that of the minor forest produce extracted from the forests by all agencies during the year under review are compared with similar figures for the preceding year in the following statement:—

Circle	Timber		Fuel		Timber Value		Gum Value		Gum Value		Oil Value	
	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17
	1	2	3	4	5	6	7	8	9	10	11	12
	Cft.	Cft.	Cft.	Cft.	K.	R.	K.	R.	K.	R.	K.	R.
Northern	1,930	2,324	1,000	1,720	61,700	75,900	27,600	21,070	1,52,017	4,11,710	4,11,710	1,00,000
Southern	4,020	4,146	10,410	15,711	99,000	66,000	22,200	22,200	2,11,110	2,11,110	7,140	1,00,000
Berar	1,146	1,110	4,121	1,340	1,100	1,100	7,350	1,100	1,100	1,100	1,100	1,100
Total	7,155	9,005	25,177	28,400	2,55,510	2,55,510	1,70,050	2,70,050	15,28,517	15,28,517	15,28,517	15,28,517

Explanations of the variations have been given in preceding sections.

FINANCIAL RESULTS.

24. The following statement compares the revenue, expenditure and surplus of the year under report with those of the year 1915-16 and average of the five years preceding thereto:—

Circle.	Year.	Revenue.	Expenditure.			Surplus	Percentage of net revenue to gross revenue.
			A.	B.	Total		
1	2	3	4	5	6	7	8
Northern	Average 1910-11 to 1914-15	Rs. 8,82,603	Rs. 2,49,758	Rs. 3,53,503	Rs. 6,07,261	Rs. 2,79,347	32
	1915-16	9,61,903	1,54,333	2,87,500	5,41,842	4,27,171	44
	1916-17	10,18,501	1,05,001	2,77,901	5,72,602	4,45,939	44
Southern	Average 1910-11 to 1914-15	8,51,806	2,69,330	3,71,236	6,40,566	2,11,230	25
	1915-16	9,72,325	1,72,877	4,01,116	5,73,993	3,98,332	41
	1916-17	9,41,447	1,79,628	4,12,367	5,92,085	3,49,462	37
Berar	Average 1910-11 to 1914-15	11,55,703	2,30,190	3,45,111	5,84,301	5,71,407	49
	1915-16	12,83,457	1,66,579	3,71,313	5,37,892	7,45,565	58
	1916-17	14,30,647	2,01,027	3,84,754	5,85,771	8,44,876	60
General Dissection Division	Average 1910-11 to 1914-15	50	360	41,084	41,144	-41,394	..
	1915-16	..	795	40,304	41,299	-41,299	..
	1916-17	..	881	39,081	39,962	-39,962	..
Total	Average 1910-11 to 1914-15	28,90,062	7,18,638	11,10,934	18,69,372	10,20,690	35
	1915-16	32,10,755	4,94,584	12,00,442	16,95,026	15,16,229	47
	1916-17	34,10,595	5,76,317	12,14,165	17,00,682	17,09,913	47
Difference between 1915-16 and 1916-17		+1,99,840	+81,733	+1,72,223	+95,656	+94,184	..

Revenue.—The gross revenue of the Southern Circle fell from Rs. 9,72,325 in 1915-16 to Rs. 9,41,447 in 1916-17, a decrease of Rs. 30,878. However, this reduction was more than covered by the increases of Rs. 53,528 (from Rs. 9,64,973 to Rs. 10,18,501) in the Northern Circle and of Rs. 1,67,190 (from Rs. 12,83,457 to Rs. 14,50,647) in the Berar Circle, the net result being an increase of Rs. 1,89,840 for the whole Province (Rs. 34,10,595 against Rs. 32,20,755). The increase in the Northern Circle was shared by all Divisions [chiefly Hoshangabad (Rs. 48,000) and Damoh (Rs. 26,000)] except North Mandla and Chhindwara, and is said to be principally due to the higher prices obtained for sales of standing coupes, larger demands and extraction of bamboos and higher prices for lac. The fall in the revenue in the North Mandla Division was more apparent than real, as the receipts of the year 1915-16 were inclusive of commutation dues for 1916-17 realized in advance and also of the sale-proceeds of the harra collected departmentally during 1914-15. The decrease in the Chhindwara Division mainly occurred under 'grazing' and has already been explained under section "Exploitation." The Conservator, Southern Circle, again reports that but for the failure of the Allapilli lessees to keep their work up to date and to pay the instalments due, amounting to Rs. 3,36,366 in time, the revenue and surplus of his Circle would have shown a greater increase over last year. In the North Chanda and Nagpur-Wardha there was a marked absence of demand, these Divisions together showing a decrease of Rs. 71,026, and revenue from bamboos, grass and grazing in the South Raipur Division fell by Rs. 12,018. The increase in the revenue in the Berar Circle was common to all Divisions and is reported to be due mainly to better demands for produce, higher prices obtained at the auction sales of coupes owing to keen competition, better supervision of grazing arrangements and enhanced grazing revenue. The reduction of the rate for bamboos in the Ambabarwa Reserve of the Buldana Division resulted in an increased export.

The following two statements compare the sources of revenue for two years :—

	1915-16.	1916-17.	Increase or decrease.
1	2	3	4
	Rs.	Rs.	Rs.
Timber and other produce removed by Government Agency...	1,20,244	89,051	-31,193
Timber and other produce removed by purchasers, etc.—			
Timber	5,92,578	7,58,869	+1,66,291
Firewood and charcoal	2,72,098	2,69,446	-2,652
Bamboos	2,41,117	2,75,281	+34,164
Grazing and fodder grass	14,93,783	15,24,962	+31,179
Other minor produce	2,78,144	2,64,643	-13,501
Miscellaneous	2,22,791	2,28,343	+5,552
Total	32,20,755	34,10,595	+1,89,840

Circle.	Timber and Fuel		Bamboos.		Grass and grazing		Other minor produce		Miscellaneous		Total.	
	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17	1915-16	1916-17
	2	3	4	5	6	7	8	9	10	11	12	13
	Rs	P	Rs	P	Rs	P	Rs	P	Rs	P	Rs	P
Northern	2,85,122	3,44,740	61,311	76,501	4,61,425	4,44,260	1,02,178	96,564	5,91	60,427	0,01,13	10,1
Southern	3,91,133	4,12,868	96,027	91,282	2,61,821	2,43,544	1,47,426	1,15,031	7,918	76,770	1,11,105	9,1
Berar	2,70,762	3,45,316	85,070	1,08,335	7,71,280	8,38,912	58,409	62,958	93,016	75,116	1,13,411	14,5
Total	9,46,617	11,02,924	2,46,308	2,75,118	14,95,626	15,26,755	3,08,413	2,74,153	2,21,791	2,12,143	37,20,771	34,1
Difference	+1,56,307		31,810		+1,30,129		-73,958		+1,55,522		+1,14,940	

It will be seen from the above that for the Province as a whole while there was a reduction of Rs. 33,958 in the revenue from "Other minor products," all other sources of revenue contributed towards the increase. The income from Major Forest Produce (timber and fuel) was better in all Circles, and except from bamboos in the Southern Circles, and grazing in the Northern and Southern Circles, there was an increase in revenue from minor produce in all Circles. These variations have been explained above.

Expenditure.—The total expenditure for the year 1916-17 for the Province amounted to Rs. 17,90,682 against Rs. 16,95,026 during 1915-16 and Rs. 18,69,572, the average of the preceding five years. As compared with the year 1915-16, the expenditure under "A.—Conseivancy and works" rose from Rs. 4,94,584 to Rs. 5,76,517, an increase of Rs. 81,933. This increase was due in all Circles to more money having been spent on communications, buildings, other miscellaneous work, demarcation and other works of improvement as well as increased commission to licensed vendors. The expenditure under "B.—Establishment" amounted to Rs. 12,14,165 against Rs. 12,00,442—an increase of Rs. 13,723—which mainly occurred in the Southern and Berar Circles and was due to the increased salaries of Gazetted Officers and promotion among the subordinate staff due to the reorganization of that establishment. In the Southern Circle the stipends paid to certain private students at the Balaghat Forest School also contributed towards the increase.

Surplus.—Though the net revenue of the Southern Circle showed a decrease of Rs. 48,870, there were increases of Rs. 22,408 and Rs. 1,19,311 in the Northern and Berar Circles respectively, thus the total net revenue for the Province, after accounting for a deficit of Rs. 39,964 in the General Direction Division, amounted to Rs. 16,19,913 against Rs. 15,25,729—an increase of Rs. 94,184. However, owing to increases both under Revenue and Expenditure the percentage of net revenue to gross revenue remained the same as last year, namely, 47 per cent, but exceeded that for the average of the five years ending in 1914-15 by 12 per cent. While this percentage in the Southern Circle fell from 41 to 37, in the Northern Circle it was the same as last year, *viz.*, 44, the Berar Circle having increased from 58 to 60. It is satisfactory to note that both the gross and net revenue of the year have shown improvement over the preceding year, though depressed conditions of the markets were not altogether absent.

The following shows the progress that the Department has made financially during the last six years:—

Year			Revenue.	Surplus.	Percentage of net revenue to gross revenue.
1			2	3	4
			Rs.	Rs.	
1911-12	...	...	26,66,188	7,70,812	29
1912-13	..	..	31,21,888	11,94,948	38
1913-14	...	...	32,69,894	12,62,011	39
1914-15	...	...	32,73,539	13,92,612	43
1915-16	...	...	32,20,755	15,25,729	47
1916-17	...	..	34,10,595	16,19,913	47

It will be seen from the above that there has been generally speaking a satisfactory increase from year to year both under the gross and net income of the Department.

The percentages of revenue under its major heads to gross revenue as well as of the expenditure incurred on various works of improvement and organization and on establishment to gross revenue are shown in the following statement:—

		Northern.	Southern.	Berar	Province.
1		2	3	4	5
Total expenditure to gross revenue	...	56	63	40	51
Expenditure A to gross revenue	..	19	19	14	17
Expenditure B to gross revenue	...	37	44	26	34
Surplus to gross revenue	...	44	37	60	49
Percentage to gross revenue of—					
(1) Major Produce (timber and fuel)	...	34	44	24	32
(2) Bamboos	...	8	10	7	8
(3) Grass and grazing	..	44	26	58	45
(4) Other minor produce	...	3	12	4	8
(5) Miscellaneous	...	6	8	7	7
Percentage to gross revenue of expenditure on—					
(1) Roads and Bridges (A-VII-a)	..	3	2	3	3
(2) Buildings (A-VII-b).	..	3	1	2	2
(3) Tanks, wells, etc. (A-VII-c)	...	5	7	3	5
(4) Fire protection (A-VIII-f).	...	3	4	1	3
(5) Other works, cutting back operations (A-VII-d)	...	1	1	1	1
(6) Pay of Establishment.	...	30	34	20	28
(a) Conservators	...	2	2	1	2
(b) Superior officers	..	8	11	6	9
(c) Subordinate Establishment	..	15	15	10	13
(d) Clerical Establishment	...	5	6	3	4

Note.—These figures are exclusive of expenditure of the General Direction Division.

The outstandings on account of revenue at the beginning and close of the year compare as follows :—

Circle				Beginning	Close
1				2	3
				Rs.	Rs.
Northern	..	...	...	56 574	47 302
Southern	..	...	..	223,931	263 507
Berar	...	...	.	2,296	36 561
Total				294,791	449,557

The increase in the Southern Circle is due to the non-payment of the instalments amounting to Rs. 3,36,366 by the lessee of the Allapilli forests in the South Chanda Division. It should be noted that, though technically an outstanding, the timber represented by this sum has not yet been felled. The matter is receiving attention. The rise in the Berar Circle is said to be due in part to instalments of rusa grass leases falling due after the close of the year, but chiefly to the change in system of leases for combined cultivation adopted in the Amraoti Division.

The outstandings due to the department by contractors and disbursers rose from Rs. 91,589 in 1915-16 to Rs. 1,00,933 in 1916-17 (Northern Circle Rs. 19,983 against Rs. 16,236, Southern Circle Rs. 22,969 against Rs. 28,786 and Berar Circle Rs. 57,981 against Rs. 46,567). The increase in the Berar Circle is attributed to advances for departmental grass operations and remuneration to village officials.

The estimated value of live and dead stock amounted to Rs. 6,95,987 against Rs. 6,96,293. There was a decrease of Rs. 17,209 in the Southern Circle against increases of Rs. 12,587 and Rs. 4,316 in the Northern and Berar Circles, respectively. This latter increase is ascribed to the construction of new buildings.

RESEARCH AND EXPERIMENTS.

25. In the Northern Circle the experiments to test the effect of the season of felling on the coppice reproduction were continued in the Jubbulpore Range, the measurements were recorded and communicated to the Forest Botanist, to whom seed from the teak coppice shoots was also sent with a view to test its fertility. The experiments to test the effects of fires in different months of the year were again continued in the Narsinghpur District, but have been found to be of no practical use and will be discontinued. In the Saugor Division ring countings of teak were undertaken, and the results communicated to the Forest Research Institute. Samples of *Grewia* were sent to Sibpur from the Northern and Berar Circles to ascertain if the wood was fit for use in aeroplane construction. Those from the Northern Circle were found suitable and this experiment has created a demand, but sufficient timber of the size and straightness necessary to comply with the specifications is not available, and the Board of Munitions are now obtaining their requirements from other Provinces. The existing sample plots in the Berar Circle were maintained and an additional sample plot was laid out in the Melghat Division to test the rate of growth of teak in 'barra' land; the upkeep of these plots in the Southern Circle is reported to have not received sufficient attention in some cases. The matter is, however, being remedied.

Sample consignments of Dhaura tanning products were sent to the Esocet Company at Maihar from the Balaghat Division, but the result has not yet been reported. A sample consignment of Sal scantlings of small and

medium sizes for use in building construction was also sent from this Division to Nagpur to test whether such material could be profitably sold there. The Conservator remarks that if this experiment proves successful, the wastage of timber in the Sal coupes which are at present worked exclusively for sleepers will be greatly reduced.

In the Bhandara Division the experiments to ascertain the best method of eradicating Ironi creeper were continued as was done also in the Melghat Division to destroy the Nagbel creeper. The most satisfactory results in the former case are reported to have been obtained from an area in which the creeper was cut and the stumps split. The application of lime, sulphur and boiling water in the cold weather is said to have not been so successful. Sandal sowings were carried out in the Bhandara, North Chanda, South Chanda and Nagpur-Wardha Divisions and, except in the last named Division, the results were not encouraging.

In the South-Chanda Division the seasoning experiments of timber referred to last year were continued. All the logs have been converted into planks and scantlings. The Forest economist examined the timber in December 1916 and will make a final inspection during the ensuing cold weather. It is reported that an interesting experiment is being made by the Manager, Ballarhah Colliery, to test the suitability of a number of miscellaneous species of timber for pit props other than Ain (*Terminalia tomentosa*) which has hitherto been used by the Colliery. The results obtained so far have shown that Dhaura, Tendu and Mohva are the best timbers to resist rot. These props are being put to further tests, and should they prove satisfactory, a large quantity, the Conservator states, can be supplied from the Dhaba and Allapilli Ranges. 93 maunds and 23 seers of Tarwad bark (*Cassia auriculata*) from the South Chanda Division and 10 maunds of Ghotia (*Zizyphos xulopyra*) fruits from the South Raipur Division were collected and sent to the Government Hide Inspector, Bombay, for tanning purposes, as well as 20 maunds of Ain (*Terminalia tomentosa*) bark and $3\frac{1}{2}$ maunds of Tarwad pods from the former Division were supplied to the Chrome Leather Factory, Palavaram, Madras, for the same purpose.

Besides the above a consignment of 17 maunds and 4 seers of Amaltas (*Cassia Fistula*) bark was sent to the Government Hide Inspector.

In the Nagpur-Wardha Division the experiments to determine the incidence of grazing per head of cattle in the case of the forests on metamorphic rock; and the work in connection with the utilization of *Helicteres* fibre were in progress.

A sample of 60 lbs. of this fibre was sent to the Director, Imperial Institute, London, through the Forest Economist, Dehra Dun, and his report thereon is awaited.

A consignment of $12\frac{1}{2}$ maunds of unretted fibre was also sent to the Ganges Rope Company, Calcutta, with a view to test the bark in the decorticating machine, but it was reported not to have responded to the treatment. A certain amount of this fibre was also sent to the Director of Industries, United Provinces, and the Conservator of Forests, Eastern Circle, United Provinces.

In the Nimar Division four Salai logs were supplied to the Great Indian Peninsula Railway for testing this timber for wagon floors. The Kirkee Arsenal was supplied with bamboos from the Melghat Division for use as spear shafts, but they were unfavourably reported on.

It is reported that the impregnated *Terminalia* sleepers laid down on the Great Indian Peninsula Railway line in the Betul Division are showing no signs of decay. Four hundred Salai trees were tapped in the Nimar Division and 92 seers of gum obtained was made over to the Forest Economist.

An attempt on a small scale was made in the Melghat Division to adopt the principle of steam distillation for extracting rusa grass oil, which had given good results in 1914, when carried out with more elaborate apparatus as compared with the existing type of stills used by lessees. The results

obtained are reported to have been satisfactory, and the experiment will be tried shortly on a larger scale and the results communicated to the Forest Economist. In this Division an attempt was also made to give a trial to the system of nursing natural seedlings developed by Mr. Copleston in the North-Kanara Division. About 8,000 teak seedlings were marked with pegs in July 1916, weeded during the rains, earthed up in October and shaded with grass shades during the hot weather. Twenty-six per cent were found alive in July 1917. The results obtained in open areas, where damage from the drip of overhanging trees was absent, were distinctly good, but in the case of seedlings under overhead cover the system on the whole proved a failure. The effect of fire on teak germination was tested by burning a small patch of forest in Gugumal Reserve. It is reported that many seedlings appeared, but most of them had died off by January. Nine strips of forests in the Gugumal Range and four in Chikalda, each half an acre in extent, were more or less clear felled to test the effect of admission of light to the soil. Such seedlings as appeared were weeded and earthed up on the Kanara system. The results obtained in Gugumal were fairly satisfactory, while in the Chikalda Range the experiment was a failure. In the former 1,181 seedlings appeared and 788 survived the hot-weather, these figures for the latter Range being 111 and 29, respectively. The reasons for the difference are not clear. On the whole a fair amount of experimental work was carried out in the Province notwithstanding the adverse conditions.

ADMINISTRATION.

26 The writer continued in the post of the Chief Conservator throughout the year. There were no changes in the Northern and Berar Circles, the charge of which was held by Messrs. Forteath and Trafford respectively for the whole year. Mr. C. B. Smales remained in charge of the Southern Circle until 2nd December 1916, when on his transfer to Burma he was relieved by Mr. A. V. Munro on return from leave who remained in charge till the close of the year. Several changes occurred in Divisional charges according to circumstances. Mr. R. M. Williamson, Deputy Conservator of Forests, continued to officiate as Conservator of Forests in the United Provinces and Mr. Shiam Sunder Lal, Extra-Assistant Conservator of Forests, remained on deputation to the Indore State. Mr. F. J. Langhorne, Extra-Assistant Conservator of Forests, reverted to British Service from deputation to the Basal State with effect from the 16th April 1917 and was granted three months' privilege leave from that date. Mr. W. J. Anthony, Extra-Assistant Conservator of Forests, having completed the Working Plan for the forests of the Ahiri Zamindari in the Chanda District, turned to the North-Chanda Division as attached officer on the 3rd, November 1916. In conformity with the Local Government orders contained in the Secretariat letter No 2623—X-29-2, dated the 2nd November 1914, two students from the Bilasour Court of Wards were deputed to the Southern Circle for practical training after they had passed out of the Balaghat Forest School. Mr. C. G. Hobday passed successfully from the Provincial Service Course at the Forest College at Dehra Dun and was appointed Probationary Extra-Assistant Conservator of Forests with effect from the 3rd April 1917. One candidate (Mr. C. English) and Forest Ranger G. S. Trivedi were deputed to undergo the Provincial Service Course during the year. No Imperial Officer was recruited from England and no Imperial Officer retired during the year.

Rao Bahadur Shridhar Ganesh Paranjpe, Extra Deputy Conservator of Forests, retired from Government Service on an invalid pension with effect from the 18th April 1917 and in him the department has lost an officer of wide experience. Mr. Pandurang Narayan, Extra-Assistant Conservator of Forests, who had completed his 55 years of age on the 14th April 1917 was granted an extension of service for one year.

The Chief Conservator regrets very much to have to report the deaths of Messrs. J. Donald, Deputy Conservator of Forests, Indian Army Reserve of Officers, and C. V. Sarwate, Extra-Assistant Conservator of Forests, and Forest Ranger Bhawani Prasad Kosakia during the year under report. In Mr. Donald, who died at Quetta of heart failure while on Military duty, the department has lost one of its ablest officers and his premature death is greatly regretted by all

acquainted with him. Mr Sarwate was an experienced officer of the department and his intimate knowledge of the Saugor Division, where he spent a considerable part of his service, was of particular value in connection with the exchanges of lands to simplify forest boundaries. Forest Ranger B P Kosakia, who died from fever contracted while on duty in the Nagpur-Wardha Division, is reported to have been a conscientious and zealous officer.

The work of Divisional Officers and their Assistants was generally very satisfactory, the following Officers being specially mentioned by their Conservators -- Messrs Beechev Best, George, Misia, Ukikwe, Nazir Abbas and Willford.

Subordinate Forest Service.—The supply of fodder grass to the Army Department threw a good deal of extra work on the controlling and out-door staff of the Divisions in which these operations had been undertaken and, generally speaking willing and reliable work was rendered. Several of the Rangers as well as Deputy Rangers have again been singled out by their respective Conservators for their good work; the Conservator, Southern Circle, however, reports that it is yet too early to expect much improvement in the quality of the lower subordinates as a result of the re-organization introduced last year. He points out that a great many of the Forest Guards are of short service, which indicates that the work has not much attraction to the class of men recruited. In the last three years out of an average strength of 632 Guards, 113 were dismissed or discharged and 61 resigned. This state of affairs is reported to exist in the Berar Circle also, where the recruiting and retaining men on the existing rate of pay is becoming increasingly difficult. It is, however, hoped that the training started in the Nagpur-Wardha Division may stimulate the interest taken by them in their work. It is also reported that there is still difficulty in obtaining suitable Forest Guards in the Baihar and Raigarh Ranges of the Balaghat Division.

Clerical Establishment.—With one exception, *viz*, in Seoni, where the Head Clerk was eventually invalided out of the service, all Divisional Forest Officers commend the work of their Head Clerks, and that of the subordinate clerks has on the whole been favourably mentioned. The Chief Conservator notes with satisfaction that again this year Babus T. V. Pereaswamy and Ramcharanlal, Superintendents of the Southern and Northern Circle offices, respectively, have been commended for their work. The Conservator, Northern Circle, observes that the pay of clerks in this department is not sufficient to attract or retain men of sufficiently good qualifications to carry out the work required of them. Under such circumstances clerks not too deeply committed will not stay in the department, while recruits with desirable qualifications will either not join or merely make a convenience of it, while attempting to obtain employment elsewhere. The Conservator, Berar Circle, also reports that the difficulty of securing suitable candidates, especially in the lower grades, persists. The Chief Conservator fully concurs in the views of the Conservators and regrets that circumstances have not permitted Government to depute a special Expert Officer to examine into the state of affairs. The possibility of suggesting some temporary measure of relief, more especially to the lower paid clerks, will be considered. A provisional scheme to improve the pay and prospects of Range Clerks in Berar proper received the sanction of the Local Government during the year: under this scheme, the Rs. 15 grade has been abolished and Rs 20 fixed as the minimum pay of a Range Clerk with a number of appointments on Rs. 25.

Punishments — While the percentage of punishments in the Southern and Berar Circles fell from 13.57 to 11.44 and 18.2 to 17.3, respectively, that in the Northern Circle rose from 16.55 to 17.27. For this increase the Damoh Division is mainly responsible, there having occurred considerable decreases in the remaining Divisions, due probably to the increase of pay in the recent re-organization of the subordinate establishment. The number of punishments in the Damoh Division was very large and is reported to have been due to the standard of discipline being very low. The Chief Conservator hopes to see an improvement in this matter next year. The Conservator also points out that the small number of punishments in the Hoshangabad Division is most noticeable, and while

the conditions of the work there make perhaps for fewer opportunities of abuse of their position by Forest Guards and the lower paid subordinates than in certain other Divisions, no small praise is due to Hon'ble J. Best, Divisional Forest Officer, for the maintenance of a high standard of discipline with so little recourse to serious punishment.

Health—The year under review is reported to have been on the whole not an unhealthy one, except in the Nagpur-Waidha and North and South Raipur Divisions. In the first Division cholera was prevalent until the autumn and was soon followed by plague. While in the latter fever etc., were common. However the number of deaths during the year rose to 58 from 46 in the preceding year, the casualties among Forest Guards being unusually large, 51 against 32. In all one Ranger, one Deputy Ranger, two Foresters, 51 Forest Guards, two Clerks and one Paid Vendor died.

GENERAL

27. *Forest Villages*—In the Northern Circle two forest villages were resettled and six villages were demarcated and surveyed and sanction was accorded to the establishment of six new forest villages in the Seoni Division to keep pace with the demand for labour arising from the extension of work. Only two new forest villages were established in the Southern Circle, one each in the Balaghat and North Raipur Divisions. In the Berar Circle, while one new forest village was settled in the Nimar Division, six villages—four in Melghat and two in Betul—were abandoned during the year. In the Hoshangabad Division a large number of forest villagers were employed on the Military Grass Operations and benefitted by them. A Primary Hindi School was established in one of the villages in this Division. There were altogether 37 Gond and Korku boys in attendance.

Reading, writing and arithmetic and physical exercises are taught at present. The school is under the charge of a committee including two mukadams of forest villages. It is reported that in the Raigarh Range of the Balaghat Division several Baiga forest villages have been deserted for the reasons given below:—

- (1) The superior attractions of "Bewar" cutting in the adjacent Kawardha State.
- (2) The trouble given to the villagers by shooting parties in the hot weather.
- (3) The restrictions now imposed on grazing in accordance with the provisions of the Working Plan, the villagers having been obliged to restrain their cattle from entering the sal forests.

The Divisional Forest Officer remarks that it is probable the first of these is the most important factor. Shooting parties pay liberally for such labour as they employ, but this does not reconcile the Baiga to being forced to work when he would prefer to idle away his time in his village or in the surrounding forests. These people are notoriously restless and it is probable that many of them will return in a year or two. If not, it may be necessary to offer special attractions in order to get some of the more important villages resettled, as they are the only source of labour for forest works in this Range. The condition of the forest villages is reported to have been good in all Divisions in the Northern and Berar Circles, except the Nimar Division, where the villages are in an unstable condition as reported last year, and changes among inhabitants continue to be frequent.

Malguari Forests.—In the Northern Circle six malguari forests (one in Seoni and five in Chhindwara) were notified as requiring special protection, and in the South Mandla Division one case was reported to the Deputy Commissioner. In the Southern Circle six malguari village forests in the Balaghat Division were inspected and reported upon, and two of these were notified for protective closure. It is reported that in some cases periodical inspection by forest subordinates has been arranged for with a view to rendering the closure effective, but the

absence of any staff directly responsible for the state of these forests and for the observance of the rules regarding their treatment continues to be an obstacle to any real progress. In the Berar Circle seven malguzari forests (six in Betul and one in Nimar) were brought under this protection and four villages (three in Betul and one in Nimar) were released.

Shooting permits—Though there was an increase of 4 and 21, respectively, in the Southern and Berar Circles in the number of shooting permits issued during the year under report than in the preceding year, this was counter-balanced by a decrease of 31 permits in the Northern Circle, thus the net result being a reduction of 6 permits only (454 against 460) for the whole Province. Though poaching is said to be common enough in the Saugor Division, only two cases were reported from this Division and three from Seoni while a number of animals was illicitly killed by poachers in the South Raipur Division, and 9 cases of this nature were detected and dealt with in the Balaghat Division, there being a few cases in other Divisions calling for no special remarks. In the Balaghat Division the number of guns in forest villages has been greatly reduced and several cases under the Wild Birds and Animals Protection Act, as well as of breach of gun license conditions, have been brought to the notice of the Deputy Commissioner. To reduce the head of game in the Bhongaon Reserve in the Buldana Division of the Berar Circle, 22 chital does, 21 black buck, 25 pig and 28 nilgai were destroyed. The Commissioner, Berar, however, does not consider this result as adequate, and remarks that to do any good several hundred heads of chital and nilgai must be destroyed. In other areas of this Division special beats were organized under the supervision of the Department, which resulted in the destruction of 124 pig and nilgai. No wild cattle in the Bhongaon Reserve are reported to have been caught by the Agriculture Department during the year.

Balaghat School.—During the year experiments with a number of species of ornamental trees and shrubs were continued. Some progress was also made in connection with collections for the School Museum. During the rains a short course of training in the scientific pruning of road side trees was given to selected malis and subordinates of the Public Works Department along with the students of the Forest School.

The relations between the Forest and Revenue Officials are reported to have been satisfactory and the Chief Conservator is glad to observe that most of the Deputy Commissioners, in their forwarding notes on the Divisional Reports, have recorded their appreciation of the work of the Divisional Forest Officers.

Report on the operations undertaken to supply fodder grass to the Army Department

At the beginning of January intimation was received by Government from the Army Department that there was an urgent need of hay for export to Egypt. It was stated that 20,000 tons of grass baled in steam presses was required. Enquiries were at once made to ascertain how far the military requirements could be satisfied. It was decided that arrangements should be made to supply 20,000 tons of fodder grass either through contractors or departmentally from the three Forest Circles of the Province. The Forest Department undertook the cutting, hand baling, carting, loading into wagons and despatching of the grass to various steam pressing centres, while the Civil Department controlled the hydraulic baling, under the general supervision of Mr. A. McDonald, C. S.

Orders were issued to all Conservators to make every possible effort to comply with this demand and the 20,000 tons of grass to be supplied were distributed among the three Circles :—

		Tons	Tons
Northern Circle	..	... 9,000 to	10,000
Southern Circle		... 5,000 to	6,000
Berar Circle	...	... ..	5,000

Subsequently the allotment was revised and it stood as follows.—

		Tons.	Tons
Northern Circle ...	{ Hoshangabad Division	... 3,500	} 7,000
	{ Damoh Division ...	... 1,500
	{ Jubbulpore-Narsinghpur Division	... 1,500	
	{ Chhindwara Division	.. 300	
	{ Saugor Division	... 200	
Southern Circle ...	{ Nagpur-Wardha Division	... 3,500	} 8,000
	{ North-Chanda Division	... 2,000	
	{ Bhandara Division	... 2,500	
Berar Circle .	{ Nimar Division	... 3,000	} 5,000
	{ Betul Division	... 1,000	
	{ Yeotmal Division	... 1,000	
Total		...	<u>20,000</u>

Later on the Yeotmal Division was omitted and the amount of grass assigned to it was divided among the two Divisions of the Southern Circle, *vis.*, Nagpur-Wardha and Bhandara, 500 tons each. The whole quantity of the grass from the Southern Circle was supplied by departmental working. In the North-Chanda Division 6 grass contracts which had been already sanctioned had to be cancelled. compensation to the amount of Rs 1,742 was paid to the contractors in order that the grass might be available for the Army. In the Northern Circle all grass, with the exception of a comparatively very small quantity in the Jubbulpore-Narsinghpur and the Hoshangabad Divisions, was supplied through contractors, as was also done in the Betul Division of the Berar Circle. In the Nimar Division two-thirds of the quantity supplied was delivered departmentally and the remaining one-third by contractors. Circumstances rendered several further changes necessary in the amount of grass to be

supplied by the different Forest Divisions and the following statement exhibits the final results of the operations —

Division	Amount of grass supplied	Amount cut	Amount accepted	Amount rejected	Amount condemned	Cost of cutting, carting, and delivery into warehouse (cost of the work of carting)	Cost of pressing	Cost of specially entered material	Total of columns 9 and 10	Area cost per ton including material	Local cost of material	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13
Hoshangabad	Rs 4,276	Rs 3,816	Rs 3,702	Rs 102	Rs 12	Rs. 134 0 0	Rs. 180 0 0	Rs. 77 0 0	Rs. 1,00,000	Rs. 26	Rs. 96	
Jubbulpore Narsinghpur	1,000	788	758	9	21	16,429 0 0	4,900 0 0		21,219	27	117	
Damoh	2,500	1,176	902	207	67	22,797 0 0		142 0 0	22,939	20	71	
Saugor	400	159	127	106½		1,260 0 0	2,067 0 0	119 0 0	3,546	22		
Chhindwara	700	229	124	95½	9½	2,502 0 0	21 0 0		2,724	12	117	
Total Northern Circle	7,476	6,168	5,532½	520	100½	1,31,718 0 0	15,254 0 0	429 0 0	21,50,410	26	361	* In addition Rs. 9,388 were spent in Conservator's office for baling wire.
Nagpur-Wardha	4,000	4,426	3,561	717	548	76,468 0 0	15,272 0 0	3,039 0 0	94,779	21	388	
Bhandara	3,000	3,629	3,485	18	126	22,709 0 0	2,898 0 0	1,758 0 0	27,366	7	295	
North-Chanda	2,000	2,512	2,225	21	287	29,161 0 0	1,851 0 0	773 0 0	31,285	12	621	
Total Southern Circle	9,000	10,567	9,271	370	926	1,28,338 0 0	20,021 0 0	5,070 0 0	1,53,429	15	1,804	
Nimai	3,600	2,785	2,645	102	78	19,153	1 0 1	0 1 3	54,002	19	2,857	
Betal	1,700	1,583	706	102	775	18 0 0	6 10 2	0 1 5	21,539	14	40	
Total Berar Circle	5,300	4,368	3,351	204	813	...			75,541	17	2,897	
GRAND TOTAL	21,676	21,103	18,160½	1,094	1,848½	...			7,388,763	14	5,062	† Inclusive of Rs 9,388.

The progress of the operations was considerably interfered with by the frequent unsettled weather conditions that prevailed throughout the period the work was carried out. About one-seventh of the total amount of grass cut was either rejected by the Military authorities or damaged by rain and therefore condemned in the forests and pressing depôts. In all the quantity of grass cut amounted to 21,103 tons, of which 18,160½ tons were actually delivered and accepted, while 1,094 tons were rejected and 1,848½ tons were spoilt by rain as explained above. As the request for grass was received so late in the season when most of the better quality grass had already been cut and removed from the forests by villagers, etc., to meet local demands, the major portion of the grass supplied consisted of spear grass (*Andropogon contortus*) though there was an admixture of the better species —

Mushan (*Iselma laxum*), Ghormushan (*Iselma Wightii*), Paonia (*Ischænum sulcarum*), Shainar (*Ischænum laxum*), Tatian (*Anthistiria laxa*), Kunda (*Ischænum pilosum*), Guner (*Anthistiria Ciliata*) and Mushail (*Iselma Sp.*).

Instructions were, however, issued to see that the spears were well shaken off before the grass was baled, and the cutting of grass over unburnt and ungrazed areas was resorted to as little as possible in order to avoid the inclusion of old

grass. However in the Nagpur-Wardha and other Divisions coupes which had been closed for two years or more had to be utilized, with the result that the grass delivered in some cases contained a proportion of old grass which rendered the mixture unsuitable for fodder. The cleaning out of this old grass took much time and trouble and added largely to the harassing duties of the Divisional Forest Officer, who had already in the scattered nature of his work a sufficiently difficult task. The efforts made to clean the grass were fairly successful and only 7 per cent of the grass delivered at cotton presses was rejected.

The total expenditure including the cost of presses, baling, wire and specially entertained establishment amounted to Rs. 3,88,768 (Northern Circle Rs. 1,59,798, Southern Circle Rs. 1,53,429 and Berar Circle Rs. 75,541). The sale of rejected or damaged grass yielded a revenue of Rs. 5,002 (Northern Circle Rs. 361, Southern Circle Rs. 1,804 and Berar Circle Rs. 2,897). The expenditure incurred in the operations was met by special letters of credits issued in favour of the Divisional Forest Officers concerned from time to time according to their requirements, and accounts of the expenditure were kept quite separate from the ordinary Forest accounts and forwarded to the Comptroller, Central Provinces, who made the final adjustments in his office.

Apart from the hand presses used in the Nimar Division, the number of which has not been given in the Berar report, there were 58 presses in stock (27 in the Northern Circle of which several were out of order, and 31 in the Southern Circle). In addition to these 57 hand presses (15 in the Northern Circle, 39 in the Southern Circle and 3 in the Berar Circle) were obtained either by purchase or on loan from outside the Provinces. The Conservator, Southern Circle, points out that, with the exception of the newly purchased presses, not a single press received from outside the Province but had some parts missing or broken, and arrangements for repairs and replacements had to be made and caused delay. In this connection he brings to notice the valuable assistance given by the Bengal-Nagpur Railway Company, Mr. Green, Superintendent of the Government Engineering School, Nagpur, and Mr. Desmond, the Executive Engineer, Nagpur, and adds that but for their prompt help the baling of the large quantity of grass would have been impossible.

These grass operations threw a great amount of extra work on the Forest staff of the Divisions concerned. In the Southern Circle several Foresters and Guards were taken off their ordinary duties and replaced by temporary men. All men who did well were as far as possible rewarded by temporary promotion and it is reported that many have since received permanent steps. The Chief Conservator is

*Rangers Ahmed Karim, O'Brien, Mahamed Hanif, Shanker Dayal, Vital Srivastava, Suran Singh, Govind Vishwanath Dube, and Labh Singh.

very pleased to note that several of the *Rangers and Deputy Rangers have also been specially mentioned for their good work by the Conservators of Forests, Northern and Southern Circles, and is glad to see that the work done by Messrs. W. J. Anthony and G. M. Willford, Extra-Assistant Conservators of Forests, is specially mentioned. The Conservator, Northern Circle, remarks that the ready response given by these subordinates to these operations deserves something more than a passing word of thanks and that something more concrete would be much appreciated. Their suggestion will be considered. In addition to the above the following Revenue officials and Malguzars have been mentioned for the help they rendered :—

- Mr. Lakhkar, Sub-Divisional Officer, Sakoli.
- „ N. T. Sathey, Tahsildar, Sakoli.
- „ Govind Dhondiraj Chaoji, Tahsildar.
- „ Hazari Lal, Tahsildar.
- „ Ganesh Ramchandra Deoskar, Tahsildar.
- „ Krishnaji Raghao Rotkar, Tahsildar.
- „ Sheonandan Lal, Tahsildar.
- „ Vishwanath Balkrishna Kshirasagar, Tahsildar.
- „ Syed Alay Hasan, Tahsildar.
- „ Dinkar Govind Temurnikar, Naib-Tahsildar.
- „ ~~Shankar~~ Vithaldas of the Firm of Jannadass Potdar.

Messrs. Badkas and Shankar Rao, Malguzars of Kandri and Joga, Malguzars of Arjuni and Targaon, and Messrs Udaychand and Jaisairup Shrinath, Managers of Piparia and Harda Mills.

Besides the above four Zamindars in the Bhandara District gave grass free and have received the thanks of Government.

The Department is also greatly indebted to the Deputy Commissioners concerned for the assistance rendered particularly in the collection of sufficient labour for cutting and for carts. In Bhandara Division Messrs Browne and Seale were particularly helpful and the Police Department also rendered notable assistance. It is reported also that the Bengal-Nagpur Railway Company gave invaluable assistance throughout. The work of the following Forest Officers has already been brought to the notice of the Government —

- (1) Mr D. O. Witt, Divisional Forest Officer, North-Chanda.
- (2) Mr A. A. Denbair-Brander, Divisional Forest Officer, Nimar
- (3) The Hon'ble J. W. Best, Divisional Forest Officer, Hoshangabad
- (4) Rao Bahadur Shrinivasulu Nayadu Divisional Forest Officer, Nagpur-Waidha.
- (5) Mr M. Narsingh Rao, Divisional Forest Officer, Bhandara.

To sum up 20,000 tons of grass were asked for 21,000 tons were cut and of this 18,160 tons were accepted as suitable fodder by the Military Authorities.

In view of the demand coming at a time when the grass cutting season was nearly over the Chief Conservator thinks the results may be considered as creditable to the Forest Department and his thanks are due to the Conservators (Messrs. A. V. Monio, P. H. Forteach and F. Trafford) as well as those mentioned above for the assistance rendered in meeting the unexpected demand for fodder for the overseas forces.

The 5th December 1917

M. HILL,

Chief Conservator of Forests,

Central Provinces.

NUAI FORM NO. 7—[PRESCRIBED].—Area of Reserved Forests, protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17

District	Civil District or Territory	Name of Locality	Area on 1st July 1916		Added during the year	Excluded or transferred to other land	Area on 1st June 1917		No. and date of Notification of addition or transfer, etc.	Remarks
			Acres	Equivalent in square miles	Acres	Acres	Acres	Equivalent in square miles		
1	2	3	4	5	6	7	8	9	10	11
RESERVED IN 1916										
4 Clats										
Shahpura	Mandla	Nagari, Block No. 1	2,572	1			2,572	1		
		Damajhir " 2	1,538	2			1,538	2		
		Do " 2 A	370	1			370	1		
		Do " 2 B	224				224			
		Khursipar " 3	702	1			702	1		
		Do " 3 A	125				125			
		Pail Ghagra " 4	492	1	6	38	460	1		Due to correction of boundary line.
		Pipana " 10	2,081	3			2,081	3		
		Do " 10 A	145				145			
		Do " 10 B	221				221			
		Karondi " 13	398	1			398	1		
		Do " 13 A	1,108	2			1,108	2		
		Do " 13 C	1,894	3			1,894	3		
		Do " 13 D	1,012	2			1,012	2		
		Dadargaon " 17	2,348	4			2,348	4		
		Kutdar " 18	934	1			934	1		
		Chhapra " 19	8,093	13			8,093	13		
		Do " 19 A	131				131			
		Do " 19 B	1,008	2			1,008	2		
		Do " 19 C	2,720	4			2,720	4		
		Do " 19 D	476	1			476	1		
		Do " 19 E	398	1			398	1		
		Do " 19 G	187				187			
		Do " 19 H	366	1			366	1		
		Chowrodadar " 20	2,576	4			2,576	4		
		Amadad " 22	823	1			823	1		
		Reram " 23	675	1			675	1		
		Do " 23 A	3,104	5			3,104	5		
		Do " 23 B	481	1			481	1		
		Khudri South " 24 A	1,873	3			1,873	3		
		Amdari " 25	672	1			672	1		
		Sarowahi " 26	424	1			424	1		
		Do " 26 A	148				148			
		Do " 26 B	187				187			
		Bhurka " 27	19,086	30			19,086	30		
		Khajawara " 30	987	2			987	2		
		Amera " 32	9,754	15			9,754	15		
		Do " 32 A	1,442	2			1,442	2		
		Umeria " 33 D	3,118	5			3,118	5		
		Do " 33 E	155				155			
		Masurghu " 40	30,006	47	768		31,374	48	Notification No. 290, dated the 19th October 1916.	
		Do " 40 A	328	1			328	1		
		Do " 40 B	1,630	3			1,630	3		

of Public Forest Land and Leased Forests, 1916-17. (Contd.)

Division.	Range	Civil District or Territory.	Name of Forest	Area on 1 July 1916		Added during the year.	Withdrawn or transferred to other head	Area on 31 July 1917		Net result of operations during the year.
				Acres	Equivalent in square mile.	Acres	Acres	Acres	Equivalent in square mile.	
				1	2	3	4	5	6	
NORTH-ERN CIRCLE (Contd.)	North Mandla.	Shahpura ..	Mandla ..	RESERVED FORESTS. (Contd.)						
				I Class.						
			Masurghuri .. 40 C	902	2	..	..	902	2	
			Do. .. 40-D	79	..	..	..	79	..	
			Bhilai .. 63	246	..	..	51	195	..	
			Shahputa .. 66	206	..	..	..	206	..	
			Total Range ..	109,525	171	774	92	110,307	172	
				II Class.						
			Sarital .. Do .. Ulmana Block No. 33 A	395	1	..	..	395	1	
			Do. .. 33-B	2,417	4	..	..	2,417	4	
			Do. .. 33-C	692	1	..	..	692	1	
			Mala .. 34	1,106	2	..	..	1,106	2	
			Do. .. 34-B	362	1	..	..	362	1	
			Do. .. 34-C	931	1	..	..	931	1	
			Lugdara .. 35	1,097	2	..	..	1,097	2	
			Do. .. 35-A	597	1	..	..	597	1	
			Dahonia .. 36	40,152	64	40	27	40,165	64	
			Do. .. 36-A	3,437	5	..	..	3,437	5	
			Barkhera .. 37	6,158	9	..	..	6,158	9	
			Khami .. 43	990	2	..	..	990	2	
			Do. .. 43A	83	..	..	..	83	..	
			Sopkhar .. 45	27,675	43	..	..	27,675	43	
			Neval Pondi .. 46	19,795	31	..	..	19,795	31	
			Do. .. 46 A	2,677	4	..	..	2,677	4	
			Bhirkund .. 47	1,730	3	..	..	1,730	3	
			Do. .. 47-A	7,811	12	..	..	7,811	12	
			Baghar .. 74	517	1	..	..	517	1	
			Total Range ..	118,712	186	40	27	118,795	186	
				A Class.						
			Mandla .. Do. .. Reng a phori North Block No. 11	315	1	..	..	315	1	
			Do. South Block No. 11A	79	..	..	..	79	..	
			Bastara .. 19	10,650	17	..	..	10,650	17	
			Bijgaon Block, No. 20	341	1	..	..	341	1	
			Pantala .. 21	1,374	2	..	..	1,374	2	
			Sahajni .. 22	379	1	..	..	379	1	
			Bamni .. 23	15,995	25	..	..	15,995	25	
			Do. .. 23-A	781	1	..	..	781	1	
			Jojhari .. 24	1,469	2	..	..	1,469	2	
			Mukhas .. 25	13,643	21	..	..	13,643	21	
			Hannaimatta .. 26	26,280	41	..	..	26,280	41	
			Do. South .. 26-A	88	..	..	..	88	..	

Due to correction of area.

Due to correction of area.

NUAI FORM NO. 7 — [PRESCRIBED].—Area of Reserved Forests, protected Forests, Unless and or Public Forest Land and Leased Forests, 1916-17 —(Contd.)

Range	Circuit District or Local	Name of Forest	Area on 1st July 1916		Added during the year.		Excluded or transferred to other heads		Area on 1st June 1917.		No. and date of Notification of addition or transfer, etc.	Remarks
			Acres	Equivalent in square miles.	Acres	Acres.	Acres.	Equivalent in square miles.				
		4	5	6	7	8	9	10	11			
RESERVED FORESTS (Contd.)												
A Class												
Mandla	Mandla	Hinnimatta South, Block No. 26-B	119					110	1			
		Kithoua North, Block No. 2	1,468	2				1,562	2			
		Do South, 27 A	1,936	3				1,936	3			
		Do do, 27 B	373	1				378	1			
		Dungaria, 28	1,254	11				1,254	11			
		Khairi, 9	290					290				
		Gazipur North, 30	145					145				
		Do Central, 30-A	460	1				466	1			
		Do South, 30-B	441	1				445	1			
		Maljathar North, Block No. 31	28,117	44				28,167	44			
		Do South, 31-A	4,022	7				4,022	7			
		Jarwagi, 32	1,357					1,357	2			
		Byegaoon, 33	331	1				331	1		Notifications Nos. 414 and 415, dated the 13th July 1916.	
		Ataria, 34	1,510	12	69	67		1,531	12			
		Keregaon, 37	8,391	44		239		8,155	44		* Notification No. 346, dated the 19th June 1916.	
		Bhainatoli, Block No. 39	152					282				
		Sala, 40	1,095	2				1,033	2			
		Juna Mandla, 47	280					280				
		Piparia, 48	2,177	3				2,177	3			
		Do, 48-B	705	1				705	1			
		Ghamarwah, 74	192					192				
		Do, 74-B	494	1				491	1			
		Lalpur, 75	180					180				
		Khursipat, 77	322	1				322	1			
		Kharsara, 78	466	1				486	1			
		Mohgaon, 80	480	1				480	1			
		Charygaon, 84	103					103				
		Saliwara, 90	107					107				
		Bari, 91	116	1				116	1			
		Mansa, 93	184					184				
Total Range			162,248	253	69	306	162,011	253				
A Class												
Dhanwahi	Jubbulpore.	Kumhi, 47	1,103	2				1,103	2			
		Richhai, 48	388	1				388	1			
		Bamni Purwa, 49	752	1				752	1			
	Mandla	Dala, 53	699	1				699	1			
		Bastara, 54	17,804	28				17,804	28			
		Paratia, 55	14,280	22				14,280	22			
			8,320	13				8,320	13			

Area of Reserved Forests, 1916-17 (Contd.)
 or Public Forest Land and Leased Forests, 1916-17 (Contd.)

Division	Range	Civil District or Territory	Name of Forest	Area on 1 July 1910		Added during the year	Deducted or transferred to other localities	Area on 1 July 1911	
				Acres	In equivalent in square miles	Acres	Acres	Acres	In equivalent in square miles
1	2	3	4	5	6	7	8	9	10
NORTH-EASTERN CIRCLE—(Contd.)	North Mandla.	Shahpura	Mandla.	Reserved Forests (Contd.)					
				1 Class					
				Masureburgs, 40 C	902	2		902	
				Do. 40 D	79			79	
				Bhilai 63	16		16	16	
				Shahpura 66	260			260	
				Total Range	109,525	171	274	110,207	172
	Santalal	Do.	Umara Block No. 33 A	4 Class					
			Do. 33 B	395	1			395	1
			Do. 33 C	2,417				2,417	
			Do. 33 D	692				692	
			Makr 34	1,196				1,196	
			Do. 34 B	362	2			362	2
			Do. 34 C	921	1			921	1
			Tugdara 35	1,097				1,097	
			Do. 35 A	597	1			597	1
			Dahonia 39	10,152	63	40	27	10,165	63
			Do. 35 A	3,437	3			3,437	3
			Barkhula 37	6,158	9			6,158	9
			Khami 43	990	2			990	2
			Do. 43 A	83				83	
			Supkhar 45	27,675	43			27,675	43
			Newal Pondi 46	19,795	31			19,795	31
			Do. 46 A	2,677	4			2,677	4
			Bhurilund 47	1,730	3			1,730	3
			Do. 47 A	7,511	12			7,511	12
			Baghar 74	517	1			517	1
			Total Range	118,712	186	40	27	118,725	186
	Mandla	Do.	Rengahora North Block No. 11	1 Class					
			Do. South Block No. 11A	79				79	
			Bastara 19	10,650	17			10,650	17
			Bijagaon Block, No. 20	341	1			341	1
			Pantala 21	1,374	2			1,374	2
			Sahayni 22	379	1			379	1
			Bamin 23	15,993	25			15,993	25
			Do. 23 A	781	1			781	1
			Juhari 24	1,469	2			1,469	2
			Mukha 25	15,641	25			15,641	25
			Hannamata 26	25,280	41			25,280	41
			Do. South 26 A	88				88	

Due to correction of area

Due to correction of area

ANNUAL FORM NO 7 — [PRESCRIBED]. — Area of Reserved Forests, protected Forests, Unclassified or Public Forest Land and Leased Forests, 1916-17 — (Contd)

Division	R no	District or Taluqa	Name of Forest	As on 1st July 1916		Added during the year.	Excluded or transferred to other lands	As on 1st June 1917		No and date of Notification of addition or transfer etc	Remarks
				Area	Equivalent in square miles.	Area	Area	Area	Equivalent in square miles		
				4	5	7	8	9	10	11	12
NORTH ERN CIRCLE — (Contd)											
North Chandi	Mundl	Maulna	Reserved Forests (Contd)								
			A Class								
			Hi munhatta South Block No 26-B	619				310			
			Hi chitta North, Block No 2.	1,468	2			1,568			
			Do South, 27-A	936	3			1,936	3		
			Do do, 27-B	371	1			378	1		
			Dungarra, 26	7,251	11			7,254	11		
			Khairi, 9	290				290			
			Ganpar North, 30	145				145			
			Do Central, 36-A	160	1			466	1		
			Do South, 36-B	44	1			445	1		
			Majithar North, Block No 31	16,157	44			15,187	44		
			Do South, 31-A	4,632	1			4,632			
			Jaraugi, 3	1,357				1,357			
			Dijgton, 34	331	1			331			
			Ataria, 36	7,511	12	69	67	7,521	12		Notifications Nos 414 and 415, dated the 13th July 1916.
			Kerzison, 37	18,191	44		2519	28,153	44		* Notification No 316, dated the 19th June 1916
			Bhatatoli, Block No 39	252				263			
			Soni, 40	1,035	1			1,035	2		
			Juna Mundl, 47	260				260			
			Piparia, 48	2,177	3			2,177	3		
			Do, 48-B	105	1			705	1		
			Chamarush, 74	103				103			
			Do, 75A	494	1			491	1		
			Lahpui, 75	180				180			
			Khauripai, 77	32	1			322	1		
			Khauripai, 76	486	1			486	1		
			Mohgaru, 80	480	1			480	1		
			Chargron, 84	103				103			
			Sairwara, 90	107				107			
			Bari, 91	316	1			316	1		
			Wania, 93	184				184			
			Total Range	103,248	253	69	306	169,011	253		
			A Class								
Dharawahi	Jubbulpore.	Kumhari	42	1,103	2			1,103	2		
			43	388	1			388	1		
			49	759	1			752	1		
	Mandla	Dala	53	699	2			699	2		
			54	17,854	28			17,854	28		
			55	14,080	22			14,450	22		
			Barela, 59	8,330	13			8,330	13		

ANNUAL FORM NO 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, or Public Forest Land and Leased Forests, 1916-17. —(Contd)

Division.	Range.	Civil District or Territory.	Name of Forest	Area on 1 July 1916		Added during the year	Excluded or transferred to other head	Area on 1 July 1917		No. and description of Non-Forest land in 1917		
				Acres	Equivalent in square miles.			Acres	Acres		Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11		
NORTH-EASTERN CIRCLE— (Contd.)	North Mandla.	Shahpura	Mandla	RESERVED FOREST (Contd.)								
				1 Class								
				Misourghur, 40 C	968	3	..	..	968	3
				Do. " 40-D	79	..	..	..	79	..
				Bhilu " 63	210	..	..	54	192	..
				Shahpura " 66	206	..	..	..	206	..
				Total Range	109,325	371	774	95	110,307	372		
				1 Class								
				Santalal	Do	Umaria Block No. 33-A	395	1	395	1
							Do. " 33-B	2,417	2,417	4
Do. " 33-C	692	1	..				..	692	1	
Maka " 34	1,196	..	..				..	1,196	2	
Do. " 34-B	362	1	..				..	362	1	
Do. " 34-C	931	1	..				..	931	1	
Lugdara " 35	1,097	2	..				..	1,097	2	
Do. " 35-A	597	1	..				..	597	1	
Dahonia " 36	10,152	69	40				17	40,165	69			
Do. " 36-A	3,437	5	..				..	3,437	5	
Mandla	Do	Barlhera	6,138	9	..	..	6,138	9		
			Khami	990	2	..	..	990	2	
				Do. " 43A	83	..	..	..	83	..
				Supkar " 45	27,675	43	..	..	27,675	43
				Newal Ponds, 46	19,795	31	..	..	19,795	31
				Do. " 46 A	2,677	4	..	..	2,677	4
				Bhurkund " 47	1,730	3	..	..	1,730	3
				Do. " 47-B	7,311	12	..	..	7,311	12
				Baghar " 74	517	1	..	..	517	1
				Total Range	118,712	186	40	27	118,725	186		
1 Class												
Mandla	Do	Rengajhori North Block No. 11	315	1	..	..	315	1		
			Do. South Block No. 11A	79	..	..	..	79	..	
			Bastara " 19	10,650	17	..	..	10,650	17	
			Bljegaon Block, No. 20	141	1	..	..	141	1	
			Pantala " 21	1,374	2	..	..	1,374	2	
			Sahayni " 22	379	1	..	..	379	1	
			Bamm " 23	15,993	25	..	..	15,993	25	
			Do. " 23-A	781	1	..	..	781	1	
			Jujhar " 24	1,469	2	..	..	1,469	2	
			Mukhas " 25	13,543	21	..	..	13,543	21	
Hammamatta	26,080	41	..	..	26,080	41				
	Do. South " 26-A	88	..	..	..	88	..			

Due to correction of area

Due to correction of area

NUAI FORM NO. 7 — [PRESCRIBED].—Area of Reserved Forests, protected Forests, Unclassified or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Range	Ch. of District or Territory	Name of Forest	Area on 1st July 1916		Added during the year	Excluded or transferred to other lands	Area on 30th June 1917		No. and date of Notification of addition or transfer, etc.	Remarks	
			Acres	Equivalent in square miles			Acres	Equivalent in square miles			
			4	5	6	7	8	9	10	11	12
Reserved Forests—(Contd.)											
A Class											
Mandla	Mandla	Kennamatta South, Block No. 26-B	1,119	7	..	..	1,119	7			
		Kathoria North, Block No. 26-A	1,468	9	..	..	1,468	9			
		Do South, " 27-A	1,936	12	..	..	1,936	12			
		Do do, " 27-B	371	2	..	..	371	2			
		Dungaria " 28	7,244	45	..	..	7,244	45			
		Khumi " 29	290	1	..	..	290	1			
		Gadipur North, " 30	145	1	..	..	145	1			
		Do Central, " 30-A	406	2	..	..	406	2			
		Do South, " 30-B	145	1	..	..	145	1			
		Mahatwar North, Block No. 31	11,187	69	..	..	11,187	69			
		Do South, " 31-A	4,622	28	..	..	4,622	28			
		Jarangi " 32	1,357	8	..	..	1,357	8			
		Bijgaon " 34	131	1	..	..	131	1			
		Ataria " 36	7,519	46	69	67	7,521	46			Notifications Nos. 414 and 415, dated the 13th July 1916.
		Karegaon " 3	28,155	175	..	..	28,155	175			* Notification No. 346, dated the 19th June 1916.
		Bhatnoli, Block No. 39	262	1	..	..	262	1			
		Sola, " 40	1,035	6	..	..	1,035	6			
		Juna Mandla " 47	280	1	..	..	280	1			
		Piparia " 48	1,177	7	..	..	1,177	7			
		Do, " 4-B	705	4	..	..	705	4			
		Chamarkah " 4	192	1	..	..	192	1			
		Do, " 7-A	494	3	..	..	494	3			
		Lalpur " 75	180	1	..	..	180	1			
		Khursipai " 77	322	2	..	..	322	2			
		Khursipai " 78	486	3	..	..	486	3			
		Mohgaon " 80	480	3	..	..	480	3			
		Chargan " 84	103	1	..	..	103	1			
		Salivara " 90	107	1	..	..	107	1			
		Bari " 91	316	2	..	..	316	2			
		Manna " 93	184	1	..	..	184	1			
Total Range			103,245	633	69	306	103,611	637			
B Class											
Dhanwahi	Jubbulpore	Kamhi " 47	1,103	6	..	..	1,103	6			
		Richhai " 48	388	2	..	..	388	2			
		Bamni Purwa " 49	758	4	..	..	758	4			
	Mandla	Dala " 53	599	3	..	..	599	3			
		Bastara " 54	17,804	110	..	..	17,804	110			
		Parara " 55	14,880	92	..	..	14,880	92			
	Baroli " 59	8,820	55	..	..	8,820	55				

ANNUAL FORM NO. 7.—[PRESCRIBED]—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range	Civil District or Territory.	Name of Forest	Area on 1st July 1916		Added during the year	Excluded or transferred to other title	Area on 31st Oct 1916		Total area in sq. miles	Remarks
				Acres	Equivalent in square miles	Acres	Acres	Acres	Equivalent in square miles		
				5	6			9	1	11	12
NORTH-ERN CIRCLE—(Contd.)	RESERVED FORESTS—(Contd.)										
	A Class										
North-Mandla.	Dhanwahi	Mandla	Bhondi, Block No 61.	2,083	3	...	...	2,083	3		Added due to reclassification
			Kalpi " 62	34,700	54	"	"	34,700	54		
			Salawa " 63	192	1	"	"	192	1		
			Chargaon " 64	561	1	"	"	561	1		
			Piparia " 65	226	"	"	"	226	"		
			Chutla " 67	184	1	"	"	184	1		
			Kunda " 68	4,777	7	"	"	4,777	7		
			Sahajpur " 69	429	1	"	"	429	1		
			Jamthar " 72	1,537	2	"	"	1,537	2		
			Choulat " 73	3,401	6	"	"	3,401	6		
			Niwarihipa " 76	76	...	"	"	76	...		
			Jumti " 77	704	1	"	"	704	1		
			Bilalkhapt " 78	96	"	"	"	96	"		
			Bijadon " 79	12,193	19	"	"	12,193	19		
			Jamunia " 80	1,491	3	"	"	1,491	3		
			Dobhi " 81	4,885	8	"	"	4,885	8		
			Total Range	111,065	175	2	"	111,066	175		
			Total A Class	562,460	785	885	485	562,920	786		
			Total for Division	562,460	785	885	485	562,920	786		
South-Mandla.	Dindori	Do.	A Class.								
			Mundia North, Block No. 41.	704	1	"	"	704	1		
			Do. South " 41-A	3,951	6	"	"	3,951	6		
			Dulepur " 50	4,062	6	"	"	4,062	6		
			Chatra " 51	9,149	14	85	559	8,675	14	Notifications Nos 590 and 591, dated the 19th October 1916	
			Charpani " 52	39,209	61	"	"	39,209	61		
			Do. " 52-A	1,062	2	"	"	1,062	2		
			Do. " 52-B	230	"	"	"	230	"		
			Do. " 52-C	4,782	7	"	"	4,782	7		
			Sunderpur " 53	15,152	24	"	"	15,152	24		
			Do. " 53-A	90	"	"	"	90	"		
			Guthal " 54	97,059	152	"	"	97,059	152		
			Guari " 58-A	1,891	3	"	"	1,891	3		
			Belpani " 60	2,117	3	"	"	2,117	3		
			Total Range	179,268	272	85	559	178,794	279		

ANNUAL REPORT NO. 7.—[PRESCRIBED]—Area of Reserved Forests, Protected Forests, Controlled Forests, or Public Forest Land and Leased Forests, 1916-17—(Contd.)

Division	District	Sub-division or Territory	Name of Forest	Area in 1916		Added during the year	Total Area in 1917	Area in 1916	Equivalent in 1916	Acres added by Notification or transfer, etc.	Remarks
				Acres	Square miles						
NORTH-EAST WING (Contd.)											
South-Manala	Kachin	Mandalay	RESERVED FORESTS—(Contd.)								
			A Class								
			Guthal, Block No. 74	23,165	36	..	..	23,563	36	
			Guthal, " 59	7,188	13	..	..	7,188	13	
			Katigahan, " 60	492	1	..	..	492	1	
			Buraspur, " 62	128,938	201	..	..	128,938	201	
			Do, " 62 A	3,241	5	..	..	3,241	5	
			Total Range	163,827	250	..	..	163,827	250	
			B Class								
			Haujar Reserve, B	6,512	98	..	..	6,512	98	
			Sepura, " 40	1,016	6	..	..	1,016	6	
			Mahadur, " 44	65,85	100	..	..	65,85	100	
			Do, " 44-A	2,134	3	..	..	2,134	3	
			Do, " 44-B	3,191	5	..	..	3,191	5	
			Do, " 44-C	727	1	..	..	727	1	
Do, " 44-D	1,025	2	..	..	1,025	2				
Do, " 44-E	78	1	..	..	78	1				
Do, " 44-F	4,822	7	..	..	4,822	7				
Kachin, " 59-G	1,547	3	..	..	1,547	3				
Chutthi Ponds, " 83	28	..	..	..	28	..				
Kirregion, " 47	9,205	15	298	..	9,503	15	Notification No. 345, dated the 19th June 1916.				
Rati, " 41	577	1	..	..	577	1				
Narpi, " 42	2,151	3	..	..	2,151	3				
Umrna, " 43	879	1	..	..	879	1				
Bignapur, " 8	216	..	..	..	216	..				
Jhangul, " 82	2,80	4	..	..	2,80	4				
Total Range	159,770	250	298	..	160,068	250					
B Class											
Jagunadul	Do	Do	Alin, Block No. A	2,351	4	..	..	2,351	4	
			Chaurighogar, C	1,873	3	..	..	1,873	3	
			Jagunadul Reserve, J	27,792	47	..	..	27,792	47	
			Jherka, 28	603	1	..	..	603	1	
			Jhaoura, 29	953	1	..	..	953	1	

ANNUAL FORM NO 7.--[PRESCRIBED].--*Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Lease Forests, 1910-17* --(Contd)

Division.	Range	Civil District or Territory	Name of Post	Area as per 1906 Survey	Added during the year	Excluded during the year	Area as per 1917 Survey	Remarks
				Sq. Mts.	Acre.	Acre.	Sq. Mts.	
NORTH-EAST CIRCLE (Contd.)								
South Mandal.	Jagmandal	Mandal	M. Jindadar, Block No. 4A	3,271	0	-	3,271	
			Do., " 4A	3,079	5	-	3,084	
			Murgli, " 4B	150	1	-	151	
			Madhpuri, " 4C	576	1	-	577	
			Piparia, " 4D	18,258	29	-	18,287	
			Do., " 4E	290	-	-	290	
			Khurra Chhapar, Block No. 5A	20,375	32	-	20,407	
			Do., " 5A-A	101	-	-	101	
			Do., " 5A-B	331	1	-	332	
			Do., " 5A-C	1,151	2	-	1,153	
			Chabi, " 5A-D	3,164	5	-	3,169	
			Theba, " 5A-E	3,609	6	-	3,615	
			Deori North, " 5A-F	141	-	-	141	
			Do., " 5A-G	1,506	2	-	1,508	
			Sonatekri, " 5A-H	307	-	-	307	
			Kasota, " 5A-I	264	-	-	264	
			Deogaon, " 5A-J	350	1	-	351	
			Dhudka, " 5A-K	704	-	-	704	
			Khurra Chhapar South, Block No. 5A-L	626	1	-	627	
			Khurra Chhapar East, Block No. 5A-M	463	1	-	464	
			Total Range ..	91,557	148	-	91,705	
					A Class.			
	Motinala.	Do.	Motinala, Block N.	6,940	21	-	6,961	
			North Phen, " N.	8,522	13	-	8,535	
			South Phen, " S	47,010	73	-	47,083	
			Deori, " 5B-A	619	1	-	620	
			Karela, " 5B-B	13,119	20	-	13,139	
			Do., " 5B-C	1,197	2	-	1,200	
			Do., " 5B-D	441	1	-	442	
			Do., " 5B-E	545	1	-	546	
			Khari, " 5B-F	746	2	-	748	
			Patel Bamni, " 5B-G	4,365	6	-	4,371	
			Jogi Gupha, " 5B-H	936	1	-	937	
			Do., " 5B-I	900	1	-	901	
			Belpani, " 5B-J	20,542	45	-	20,587	
			Tutma, " 5B-K	25,924	43	-	25,967	
			Do., (Narasimpur) Block 5B-L	821	2	-	823	
			Nesaz, " 5B-M	3,790	6	-	3,796	
			Total Range ..	145,411	215	-	145,626	
			Total A Class ..	742,555	285	-	742,840	
			Total for Division ..	742,555	285	-	742,840	

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ANNEXURE FORM NO. 7.—(PRESCRIBED).— *From Reserve Forests, etc., in Forests Unclassed or Public Forest Land and Leased Forests, 1910-17.*

District	Range	Civil District or Taluk	Name of Forest	Area as at July 1911		Area as at July 1917	By 1st July 1917	By 1st July 1917	By 1st July 1917	Remarks
				Acres	1/4000th of a square mile	Acres	1/4000th of a square mile	Acres	1/4000th of a square mile	
1	2	3	4	5	6	7	8	9	10	11
NORTH-EASTERN CIRCLE—(Contd.)										
Jubbulpore-Narsinghpur.	Sichora	Jubbulpore.	RESERVE FORESTS—(Contd.)							
			A Class							
			Khurupani Block No. 33	4,497				4,497		
			Kunharpara " 34	5,609	9			5,609	9	
			Garhal " 35	474	1			474	1	
			Punwar " 36	2,044	3			2,044	3	
			Daroli " 37	607	1			607	1	
			Patna " 38	2,628	4			2,628	4	
			Simgarh " 39	961	1			961	1	
			Mangawan " 101	684	1			684	1	
			Amoch " 102	470	1			470	1	
			Kurn " 103	1,028	1			1,028	1	
			Jujwala " 104	795	1			795	1	
			Total Range "	31,118	95		395	60,723	95	
Jubbulpore	Do.	Do.	B Class							
			A Class							
			Kandwara Block No. 30	3,050	5			3,050	5	
			Budhari Block No. 40	2,024	3			2,024	3	
			Toori " 41	5,681	9			5,681	9	
			Pondi " 42-A	3,363	5			3,363	5	
			Potha " 43	7,538	11			7,538	11	
			Sukri " 43	1,114	2			1,114	2	
			Chutri " 44	2,044	4			2,044	4	
			By puri " 45	458	1			458	1	
			Lower Goai " 46	5,266	9			5,266	9	
			Gangai " 50	1,377	2			1,377	2	
			Disarathpur " 51	4,043	6			4,043	6	
			Total Range "	36,857	57			36,858	57	
Bargi	Do.	Do.	B Class							
			A Class							
			Parania Block No. 82	1,060	2			1,060	2	
			Chadwaha " 83	549	1			549	1	
			Kathetia " 84	1,679	3			1,679	3	
			Kanankhera " 85	744	1			744	1	
			Sakwara " 85-A	4,750	7			4,750	7	
			Mariheri " 86	347				347		
			Khapa " 87	365	1			365	1	
			Salwa " 88	1,356	2			1,356	2	
			Karanpathar " 89	4,679	7			4,679	7	
			Lohri " 90	4,515	7			4,515	7	
			Bargi Khao " 91	923	1			923	1	
			Narainpur " 92	487	1			487	1	
			Semra " 93	5,018	8			5,018	8	
			Tigra " 94	3,615	6			3,615	6	
			Kelme " 95	1,371	2			1,371	2	
			Piparia " 97	1,130	2			1,130	2	
			Jatan " 98	558	1			558	1	
			Total Range "	33,165	59			33,165	59	

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division	Range	Civil District or Territory	Name of Forest	Area on 1st July 1916.		Added during the year	Excluded or transferred to other heads	Area on 30th June 1917.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres	Equivalent in square miles			Acres	Equivalent in square miles		
1	2		4	5	6	7	8	9	10	11	12
NORTH-FERN CIRCLE.—(Contd.)	Jubbulpore	Narsinghpur	RESERVED FORESTS—(Contd.)								
			A Class.								
	Bachhat	Narsinghpur	Jamanpali, Block No. 1	1,911	3	..	..	1,947	3		
			Nimkhara .. 2	342	1	..	..	342	1		
			Bandha .. 3	851	1	..	..	851	1		
			Jhari .. 4	171	1	..	..	371	1		
			Bhudout .. 5	2,012	3	..	..	2,012	3		
			Batba .. 6	4,758	7	..	..	4,75	7		
			Umargari .. 7	16,529	26	..	..	16,529	26		
			Sher Piparia .. 8	646	1	..	..	646	1		
			Tugharia .. 9	4,064	6	..	..	4,064	6		
			Gungauri .. 10	2,242	4	..	..	2,242	4		
			Sirra Dharia .. 11	6,609	10	..	..	6,609	10		
			Kinault .. 12	1,608	2	..	..	1,608	2		
			Dongari .. 13	3,600	6	..	..	3,600	6		
			Jamnia .. 14	640	1	..	..	640	1		
			Chawarpitha .. 15	588	1	..	..	588	1		
			Gore Chapper .. 16	908	1	..	..	908	1		
			Singori .. 17	4,693	7	..	..	4,693	7		
			Bikari .. 18	337	1	..	..	337	1		
			Pachai .. 19	14,674	23	..	..	14,674	23		
			Datadougri .. 20	1,322	2	..	..	1,322	2		
			Kishanpur .. 21	1,643	3	..	..	1,643	3		
			Kerpani .. 22	1,015	2	..	..	1,015	2		
			Total Range	11,399	112	..	..	11,399	112		
	Rachhat	Do.	A Class.								
			Bandra, Block No. 31	178	..	..	..	178	..		
			Nayagaon .. 32	1,176	2	..	..	1,176	2		
			Rachhat .. 33	890	1	..	..	890	1		
			Kumra .. 34	999	2	..	..	999	2		
			Ramkheria .. 35	1,202	2	..	..	1,202	2		
			Amanpali .. 36	21,619	34	..	..	21,619	34		
			Mehgawan .. 37	2,080	3	..	..	2,080	3		
			Mudkoti .. 38	11,126	18	..	..	11,126	18		
			Mehla Khapa .. 39	7,482	11	..	..	7,482	11		
			Bikrampur .. 40	328	1	..	..	328	1		
			Total Range	47,480	74	..	..	47,480	74		
	Khatol	Do.	A Class.								
			Chowgaon, Block No. 23	22,050	34	..	..	22,050	34		
			Salechanka .. 24	18,463	29	..	..	18,463	29		
			Total Range	40,513	63	..	..	40,513	63		
			Total A Class	377,852	590	..	..	377,852	590		
			Total for Division	377,852	590	..	..	377,852	590		

ANNUAL FORM NO. 7.—[PRESCRIBED]—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd)

Division.	Range.	Civil District or Territory.	Name of Forest	Area on 1st July 1916.		Added during the year	Excluded or transferred to other heads.	Area on 30th June 1917.		No. in 1916. Notified as of addition or subtraction, etc.	Remarks.		
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.				
1	2	3	4	5	6	7	8	9	10	11	12		
NORTH-ERN CIRCLE. —(Contd.) Damoh.	Fatehpore.	Damoh	RESERVED FORESTS —(Contd.)										
			A Class.										
			Panchamnagar, Block No. 1	2,425	4			2,425					
			Saonrai Block No. 2	6,019	9			6,019					
			Hathidol " 3	15,430	24			15,430					
			Gorakhun " 4	4,791	7			4,791					
			Sukri " 5	4,967	8			4,967					
			Naipar " 6	7,598	12			7,598					
			Silapri " 7	7,257	11			7,257					
			Manakpura " 8	5,095	8			5,095					
			Chauraya " 9	8,224	14			8,224					
			Kanora " 10	893	1			893					
			Bhainsdoh " 11	3,584	6			3,584					
			Bari Kanora " 12	3,322	5			3,322					
			Chaopra " 13	5,865	9			5,865					
			Karkuti " 14	15,142	24			15,142					
			Bharlura " 15	17,113	27			17,113					
			Marudoh " 16	219	1			219					
			Karibara " 17	6,272	9			6,272					
			Bardha " 18	7,359	11			7,359					
	Total Range	121,884	190			121,884	190						
	Damoh.	—	—	A Class.									
				Umrabo Jamnuni, Block No. 19	2,106	3			2,106				
				Mahadanda " 20	2,599	4			2,599				
				Magra, Block No. 21	11,275	18			11,275				
				Hathbar " 22	891	1			891				
				Rarrat " 23	1,161	2			1,161				
				Zer " 24	6,685	11			6,685				
				Kuakho " 25	191				191				
				Pipariamal " 26	781	1			781				
				Gudri " 27	2,349	4			2,349				
				Fudri " 28	3,230	5			3,230				
				Bara ya, Khara, Block No. 29	5,098	8			5,098				
				Panda Block No. 30	1,234	2			1,234				
				Mana " 31	6,698	11			6,698				
				Garaghat " 32	991	2			991				
				Golapatti " 33	358	2			358				
				Pateria " 34	1,476	2			1,476				
				Kuemi " 35	462	2			462				
				Khamkhera " 36	4,090	6			4,090				
				Damoh " 37	1,302	2			1,302				
				Rajnagar " 38	6,690	11			6,690				
				Kulna " 39	226	1			226				
				Amata " 40	815	1			815				
				Jamunia " 41	5,844	6			5,844				
				Belakot " 42	11,507	18			11,507				
				Bahera " 43	9,074	14			9,074				
Chitra " 44				7,968	13			7,968					
Dhaba " 45	1,453	2			1,453								
Somkhera " 46	5,555	9			5,555								
Jaman Hatri " 47	6,201	9			6,201								
Jamunera " 47-A	276	1			276								
Total Range	106,586	167			106,586	167							

AL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1916-17.—(Contd.)

Range.	Civil District or Locality.	Name of Forest	Area on 1st July 1910		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917		No. and date of Notification of addition or transfer, etc.	Remarks.
			Acres	Equivalent in square miles.	Acres	Acres	Acres.	Equivalent in square miles		
1	2	3	4	5	6	7	8	9	10	11
RESERVED FORESTS.—(Contd.)										
A Class.										
Tendukhera.	Damoh	Dasoudi, Block No. 48	272	}	1			271	1	
		Bhamtikhar "	274							
		Parasra "	2,641	4	"	"	"	2,641	4	"
		Bandu Pahar "	163	"	"	"	"	163	"	"
		Patania "	6,050	9	"	"	"	6,050	9	"
		Hardua Hathighat, Block No. 43	777	1	"	"	"	777	1	"
		Mohar "	8,720	14	"	"	"	8,720	14	"
		Sanga "	9,740	15	"	"	"	9,740	15	"
		Jhalone "	522	1	"	"	"	522	1	"
		Schri "	915	1	"	"	"	915	1	"
		Kuapheta "	939	2	"	"	"	939	2	"
		Aouna "	3,763	6	"	"	"	3,763	6	"
		Lorhi "	10,768	17	"	"	"	10,768	17	"
		Bahena "	9,306	15	"	"	"	9,306	15	"
		Bagdari "	8,587	13	"	"	"	8,587	13	"
		Hathidol "	6,386	11	"	"	"	6,386	11	"
		Hanmathigh "	10,563	16	"	"	"	10,563	16	"
		Gopalpura "	693	1	"	"	"	693	1	"
		Jamun "	11,095	17	"	"	"	11,095	17	"
		Palwa "	10,023	15	"	"	"	10,023	15	"
		Deori "	13,155	21	"	"	"	13,155	21	"
		Bardita "	330	1	"	"	"	330	1	"
		Sarratura "	3,977	6	"	"	"	3,977	6	"
		Kaba Kuhl "	9,879	15	"	"	"	9,879	15	"
		Elkrampur "	1,186	2	"	"	"	1,186	2	"
		Dhakarwaha "	9,158	14	"	"	"	9,158	14	"
		Lagra "	9,075	15	"	"	"	9,075	15	"
		Dudhla "	13,730	22	"	"	"	13,730	22	"
		Jamun Jhri "	13,521	21	"	"	"	13,521	21	"
		Phular "	721	1	"	"	"	721	1	"
		Total Range	177,828	278	"	"	"	177,828	278	"
Singra m- par.	Do.	Deotara, Block No. 78	7,807	12	"	"	"	7,807	12	"
		Jhoda "	3,610	6	"	"	"	3,610	6	"
		Rheri "	4,647	7	"	"	"	4,647	7	"
		Tanda Kalan "	1,619	2	"	"	"	1,619	2	"
		Choriani "	6,585	10	"	"	"	6,585	10	"
		Bansipur "	1,068	2	"	"	"	1,068	2	"
		Singrapur "	6,489	10	"	"	"	6,489	10	"
		Deori "	3,644	6	"	"	"	3,644	6	"
		Saoura "	116	"	"	"	"	116	"	"
		Aloni "	6,384	10	"	"	"	6,384	10	"
		Bhaorpani "	8,922	14	"	"	"	8,922	14	"
		Gidra "	9,352	15	"	"	"	9,352	15	"
		Nidhera "	382	1	"	"	"	382	1	"

L FORM NO 7--[PRESCRIBED]--Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.--(Contd)

Range	Civil District or District	Tribal	Area on 1st June 1916		Allotted in the year	Excluded or transferred to other heads	Area on 30th June 1917		No. and date of Notification of addition or transfer, etc.	Remarks
			Acres	Equivalent in square miles	Acres	Acres	Acres	Equivalent in square miles		
			8		9	9	10	11	12	
Reserved Forests--(Contd)										
A Class										
Rehli	Saugor	Mithu	Block No. 8	345.91	1	...	2,316	13		
		Dumra	"	1,021.68	10	...	1,021	10		
		Mohi	" 7	2,007.17	32	...	20,087	32		
		Bilch	"	16,683	57	...	36,688	57		
		Dewarpina	" 9	12,750.80	20	...	12,750	20		
		Garhikot	" 10	2,95	4	...	2,795	4		
		Sondra	" 11	1,621.40	...	...	1,623	3		
		Draup Dehat	" 12	1,009.11	2	...	1,039	2		
		Dumra	" 13	729	2	...	729	2		
		Darara	" 13-A	277	...	...	277	...		
		Murga	" 14	576.50	1	...	577	1		
		Abchand	" 15	12,712.93	21	...	12,783	21		
		Chandrapur	" 16	599	1	...	599	1		
		Pipal	" 17	157.22	...	...	158	...		
		Jhupani	" 18	877	2	...	877	2		
		Naraila	" 19	1,161.56	2	...	1,167	2		
		Mohandi	" 20	1,209	2	...	1,209	2		
		Patna Kaku	" 21	102	...	...	102	...		
		Chhel	" 22	1,433	2	...	1,433	2		
		Bouhri	" 23	879	2	...	879	2		
		Mohi	" 24	86.06	...	...	87	...		
		Suna	" 24-A	120	...	...	120	...		
		Banbhor	"	708.02	1	...	709	1		
		Gourbhamar	" 9	9	14	...	9,372	14		
		Total Range		122,285.50	191	...	122,287	191		
Saugor	Do.	Rantel, Block No. 40		165	...	...	165	...		
		Rangli	" 41	10,26.28	16	...	10,268	16		
		Khurai Thandi	" 42	431	1	...	433	1		
		Bishanpur	" 43	414.50	1	...	413	1		
		Jaisinghnagar East, Block No. 44		1,076.21	2	...	1,076	2		
		Gondal	" 45	221.92	...	...	222	...		
		Dungari	" 46	207	...	...	207	...		
		Keslon	" 47	924.12	2	...	924	2		
		Berkheri	" 48	162.70	2	...	163	...		
		Jera	" 49	575	1	83.62	83.13	575	1	Notifications Nos. 616 and 617, dated the 1st January 1917.
		Jaisinghnagar West, Block No. 50		1,689.87	3	...	1,690	3		
		Tendulabar	" 51	1,675	3	...	1,678	3		
		Fadral	" 52	100	...	...	100	...		
		Jamania Gond	" 53	912	1	...	912	1		
		Amst	" 54	2,390.24	4	...	2,399	4		
		Tejehri	" 55	1,200.81	2	9.26	10.50	1,206	2	Notifications Nos. 364 and 364-A, dated the 1st September 1916.
		Udipura Tiwari	" 57	3,068.45	5	...	3,067	5		
		Jawa	" 58	807	1	...	807	1		
		Sand Tal	" 59	809	...	...	809	...		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed Public Forest Land and Leased Forests, 1916-17—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916		Added during the year.	Excluded or transferred to other heads	Area on 30th June 1917		No. and date of Notification of addition or transfer, etc.	Remarks
				Acres	Equivalent in square miles			Acres	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
NORTH-EAST CIRCLE—(Contd.)											
Saugor	Saugor	Saugor	RESERVED FORESTS—(Contd.)								
			A Class.								
			Patharia, Block No. 60	2,402	4	15'38	14'30	2,397	4	Notifications Nos. 330 and 331, dated the 20th July 1916.	
			"	"	"	35'14	30'12	"	"	Notifications Nos. 344 and 345, dated the 26th August 1916.	
			Udupura " 61	85	"	"	"	85	"		
			Pagara " 62	105	"	"	"	105	"		
			Amakhurd " 63	874'80	1	"	"	875	1		
			Matia " 64	2,881	4	"	"	2,881	4		
			Chittoli " 65	6,596'73	10	"	"	6,597	10		
			Dhakoli " 66	715'09	1	"	"	715	1		
			Baheria Sahani, " 67	59	"	"	"	59	"		
			Ranipura " 69	839'54	1	"	"	840	1		
			Barkhera " 70	1,095	2	"	"	1,095	2		
			Lalak Patan " 71	2,253'28	4	"	"	2,253	4		
			Parasia Kalan " 72	418	1	"	"	418	1		
			Kali Pathar " 73	602	1	"	"	602	1		
			Bhabuka " 74	1,397	2	"	"	1,397	2		
			Bahadurpur " 75	3,374	5	"	"	3,374	5		
			Do. " 75-A	3,715	6	"	"	3,715	6		
			Do. " 75-B	680	1	"	"	680	1		
			Kahatgarh " 76	4,844'90	8	"	"	4,844	8		
			Do. " 76-A	464	1	"	"	464	1		
			Manak Chank " 77	5,140'11	8	"	*26'30	5,140	8		
			Muria Mero " 78	353	1	"	"	353	1		
			Banjara " 79	4,405'18	7	"	"	4,405	7		
			Jalandhar " 80	8,449	13	"	"	8,449	13		
			Total Range	78,350'04	125	141'40	175'55	78,349	125		
Khurda	Do.	Do.	Kanjia, Block No. 83	535	1	"	"	535	1		
			Chhatgarh " 84	535	1	"	"	535	1		
			Dawal " 85	12,837	20	"	*1'36	12,836	20	Notification No. 338, dated the 6th June 1917.	
			Karonda " 86	357	1	"	"	357	1		
			Malihon " 87	32,137'28	50	"	"	32,137	50		
			Barodia " 89	3,366'06	5	"	"	3,367	5		
			Patharia Brahman, Block No. 90	907	1	"	"	907	1		
			Chandrap Koth, Block No. 91	2,783	4	"	"	2,783	4		
			Chandrapur South, Block No. 92	5,317	9	"	"	5,317	9		
			Budhon " 93	439	1	"	"	439	1		
			Basta Gond " 94	9,205	14	39'16	44'12	9,200	14	Notifications Nos. 342 and 343, dated the 26th August	

* Notification No. 136, dated the 17th March 1916, relating to parcels I and III with an area of 26'30 was cancelled, vide Notification No. 468, dated the 2nd December 1916.

AL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Range	Civil District or Territory	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917		No. and date of Notification of addition or transfer, etc.	Remarks.	
			Acres	Equivalent in square miles.			Acres	Equivalent in square miles.			
1	2	3	4	5	6	7	8	9	10	11	12
Khurai	Saugor	Pirai, Block No. 96	1,446	2	...	...	1,446	2			
		Hanota Dugaha, 96	460	1	...	...	460	1			
		Bandri West, 97	3,797'06	6	...	...	3,797	6			
		Bandri East, 98	3,565'87	6	...	...	3,566	6			
		Simaria Gutra, 99	589	1	...	...	589	1			
		Nonia, 100	913	1	...	...	913	1			
		Bandighati, Block No. 101	1,387	2	...	...	1,387	2			
		Fatehpur, 102	355	...	...	...	355	...			
		Kalraho, 103	328	...	...	...	328	...			
		Bijpur, 104	521	1	...	...	521	1			
		Total Range	81,582'71	127	39'16	45'88	81,576	127			
		Banda	Do.	Fatharia Gond, Block No. 105	13,837	22	13,837	22	
Piparia Ghat, 106	10,177'97			16	...	...	10,178	16			
Patan, 107	9,880'40			15	...	...	9,880	15			
Zalampur, 110	1,273			2	...	...	1,273	2			
Sonpur, 111	261'50			...	...	...	262	...			
Chauka, 112	350'40			1	...	...	350	1			
Bherakhas, 113	794'08			1	...	...	794	1			
Pehladpur, 114	1,209			2	...	...	1,209	2			
Chandpura, 115	2,565'82			4	3'27	4'87	2,569	4	*Notification No. 105-A, dated the 10th May 1917.	Due to correction of boundary line.	
Bamhori Saugor, 116	749'28			1	...	...	749	1			
Sasa, Block No. 117	404			1	...	...	404	1			
Amakoi, 118	2,228			3	...	...	2,228	3			
Patri Kota, 119	15,328'87			24	...	...	15,329	24			
Kaner, 120	112			...	45'95	47'18 *1'08	111	...	* Notifications Nos. 253 and 254, dated the 20th July 1916. No. 75-A, dated the 29th March 1917.		
Kherwaho, 121	7,659'07			12	...	...	7,659	12			
Dulchpur, 122	22,015'68			35	...	...	22,016	35			
Mohari, 123	773'78			1	...	...	774	1			
Chham, 124	9,498'40			15	10'08 132'00	194'24	9,444	15	Notifications No. 367, 368 and 369, dated the 1st September 1916.		
Shahgarh, 125	8,175'03			13	51'25	0'45	8,226	13	Notifications Nos. 365 and 366, dated the 1st September 1916.		
Hirapur, 126	1,860			3	...	...	1,860	3			
Tigorha, 127	561			1	...	...	561	1			
Indora, 128	2,117			3	...	...	2,117	3			
Total Range	111,831'02			175	24'23	24'23	111,829	175			
Total A Class	479,039'88			749	42'09	45'66	479,019	749			
Total for Division*	479,039'88			749	42'09	45'66	479,019	749			

The difference of 102 acres between the 1916 and 1917 closing balances is due to correction of the mistake in the last and preceding year's closing balances.

ANNUAL FORM NO. 7—[PRESCRIBED].—Area of Reserved Forests Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17—(Contd)

Division.	Range.	Civil District or Territory	Name of Forest	Area on 1st July 1916		Added during the year	Excluded 1st transferred to other heads	Area on 1st June 1917		No. of notifications of prohibition of hunting, etc.	Remarks.			
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.					
1	2	3	4	5	6	7	8	9	10	11	12			
NORTH-EASTERN CIRCLE.— (Contd.)	Moshangabad.	Bani	Hoshangabad.	Jholt Block	16,033	25			16,033	25	Notification No. 35 of 14th September 1916. Notification No. 36 of 14th September 1916.			
				Majhora "	11,115	17			11,115	17				
				Dhain "	13,335	21			13,335	21				
				Malni "	130,265	204			130,265	204				
				Total Range	170,638	267			170,638	267				
				Sohagpur.	Do.	Do.	Bagra Block	14,415	23				14,415	23
							Dundadeh "	6,505	10				6,505	10
							Binaika "	21,595	34				21,595	34
							Jhira "	17,131	27				17,131	27
							South-Denwa "	37,595	50				37,595	50
	Total Range	117,241	185						117,241	185				
	Hoshangabad.	Do.	Do.	Nilgarh Block	25,461	40		80	25,381	40				
				Chouradeo "	20,549	32	60		20,609	32				
				Doori Jhunkar "	4,592	7			4,592	7				
				Ghogra "	967	2			967	2				
				Kasda "	754	1			754	1				
				Bardha "	1,531	3			1,531	3				
				Total Range	53,854	84	60	80	53,834	84				
	Seoni.	Do.	Do.	Pipalgota Block	23,240	36			23,240	36				
				Budhmar "	16,658	26			16,658	26				
				Lokhartalai "	23,220	44			23,220	44				
				Barasel "	34,694	54			34,694	54				
				Total Range	87,812	137			87,812	137				
	Rahatgaon.	Do.	Do.	Unchaburra Block	34,943	54			34,943	54				
				Jawardha "	25,979	41			25,979	41				
				Gorakhal "	33,921	53			33,921	53				
				Total Range	94,843	148			94,843	148				
	Magardha.	Do.	Do.	Indpura Block	24,718	39			24,718	39				
				Jerkahu "	61,568	96			61,568	96				
				Bichola "	1,855	3			1,855	3				
				Nilgarh "	440	1			440	1				
				Barnagar "	361	1			361	1				
				Joga "	1,410	2			1,410	2				
				Total Range	90,352	142			90,352	142				
				Total A Class	608,740	951	60	80	608,720	951				
	Total for Division	608,740	951	60	80	608,720	951							

Notification No. 35 of 14th September 1916.

Notification No. 36 of 14th September 1916.

FORM NO. 7—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17—(Contd.)

District	H.C. No.	Area on 1st July 1916		Added during the year	Excluded during the year	Area on 30th June 1917		No. and date of Notification of addition or transfer, etc.	Remarks
		A	Equivalent in square miles	A	A	A	Equivalent in square miles		
			6		5	9	10	11	12
Range of Forests—(Contd.)									
A Class.									
Sion	Angir, Block No. 10	1,102	3	6,138	9	Notification No. 247, dated the 10th May 1916	Rectification of boundary line.
	Pahua, " 16	1,361	5	..	..	3,042	2
	Dulal, " 16-A	1,345	..	3 10	57 60	1,237	2		
	Dumhari, " 16-B	117	1	..	..	717	1
	Korai, " 21	61,061	95	..	..	61,061	95
	Agri, " 22	29,835	47	..	..	29,835	47
	Bumara, " 23	712	1	..	..	712	1
	Kumli, " 24	657	1	..	..	657	1
	Khatwa, " 25	6,345	10	..	..	6,345	10
	Daoli, " 26	618	1	..	..	618	1
	Hatigam, " 27	4,251	1	..	..	4,251	7
	Total Range	114,777	173	3 65	57 60	114,738	179		
Do	Khatwa, Block No. 2	1,217	3	1,817	3	Notification No. 47, dated the 22nd March 1917.	
	Bawalpur, " 17-A	370	1	..	..	370	1
	Chauri, " 18	2,412	4	..	..	2,412	4
	Kutkasa, " 19	1,120	3	..	..	1,820	3
	Gingamala, " 20	61,579	96	..	..	61,579	96
	Kotai, " 21	14,595	23	..	..	14,595	23
	Khatwa, " 22	7,472	11	..	..	7,472	11
	Total Range	90,004	141	..	..	90,066	141
Do	Ugia, Block No. 2	53,506	84	53,506	84	Notification No. 47, dated the 22nd March 1917.	
	Katoli, " 12-A	6,957	11	..	..	6,957	11
	Gorai, " 13-B	3,628	6	..	..	3,628	6
	Gorai, " 14-C	274	..	..	..	274	..
	Piparone, " 15-C	181	..	..	..	181	..
	Karia, " 16	14,059	22	2'30	..	14,059	22		
	Ulat, " 17	6,622	10	..	..	6,622	10
	Total Range	85,146	133	2'30	..	85,147	133		
Do	Bareilly, Block No. 10	8,732	14	8,732	14		
	Amli, " 10-A	448	1	..	..	448	1
	Karandja, " 10-B	749	1	..	..	749	1
	Bhogia, " 10-C	49	..	..	..	49	..
	Sarangpur, " 10-D	235	..	..	..	235	..
	Borpani, " 10-E	684	1	..	..	684	1
	Sahajpur, " 10-F	2,965	5	..	..	2,965	5
	Putehra, " 10-G	608	1	..	..	608	1
	Megdon, " 10-H	176	..	..	..	176	..
	Wang, " 10-I	3,532	5	..	..	3,532	5
	Sakri, " 10-K	952	1	..	..	952	1
	Bijna, " 10-L	27,544	43	..	..	27,544	43

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, *U*
Public Forest Land and Leased Forests, 1916-17 —(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917		Percentage of Net Addition of Forest Land or other
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
NORTH-EASTERN CIRCLE.—(Contd.)	RESERVED FORESTS—(Contd.)									
	A Class.									
Seoni.	Chha para.	Seoni.	Manori, Block No. 11-A.	249	...	...	...	249	...	...
			Nandia " 11-B.	366	1	...	...	366	1	...
			Bherki " 11-C.	379	1	...	...	379	1	...
			Baraola " 11-D.	773	2	...	...	773	2	...
			Bakora " 11-E.	531	1	...	...	531	1	...
			Jhimli " 11-F.	590	1	...	...	590	1	...
			Utikata " 11-G.	470	1	...	...	470	1	...
			Nakutia " 11-H.	4,984	8	...	...	4,984	8	...
			Paill " 11-J.	467	1	...	...	467	1	...
			Niwari " 11-K.	395	1	...	...	395	1	...
			Sarandia " 11-L.	589	1	...	...	589	1	...
			Gangai " 11-M.	227	...	...	...	227	...	...
			Kowaria " 11-O.	847	1	...	...	847	1	...
			Matipatan " 11-P.	7,931	13	...	...	7,931	13	...
			Dhadra " 11-Q.	380	1	...	...	380	1	...
			Bijori " 11-R.	323	1	...	...	323	1	...
			Latgaon " 11-S.	344	1	...	...	344	1	...
			Barbaspur " 11-U.	295	...	...	...	295	...	...
			Koroli " 11-V.	232	...	...	...	232	...	...
			Bijna " 11-X.	243	...	...	...	243	...	...
			Total Range	67,289	105	...	...	67,289	105	...
Dhumsa.	Do.	Do.	Sherkumar, Block No. 1.	20,925	33	...	...	20,925	33	...
			Parasia " 1-A.	1,582	2	...	...	1,582	2	...
			Adegao " 1-B.	17,380	27	...	...	17,380	27	...
			Ramaagri " 1-C.	1,549	2	...	...	1,549	2	...
			Segar " 1-D.	311	1	...	...	311	1	...
			Sangai " 1-E.	685	1	...	...	685	1	...
			Kapargari " 1-F.	611	1	...	...	611	1	...
			Pandupura " 1-G.	131	...	...	...	131	...	...
			Soniadongri " 1-H.	2,257	4	...	...	2,257	4	...
			Kharsi " 1-K.	335	1	...	...	335	1	...
			Nagandeori " 1-L.	15,276	24	...	...	15,276	24	...
			Dargaria South " 1-O.	3,571	5	...	...	3,571	5	...
			Khapa " 1-M.	286	1	...	...	286	1	...
			Raich " 1-N.	15,347	24	...	...	15,347	24	...
			Lenda " 1-P.	397	1	...	...	397	1	...
			Dargari North " 1-Q.	1,120	2	...	...	1,120	2	...
			Total Range	81,663	128	...	...	81,663	128	...
Nayabada.	Do.	Do.	Ghurawara, Block No. 1-J.	181	1	...	...	181	1	...
			Dhumsa West Block No. 2.	11,715	18	...	...	11,715	18	...
			Dhumsa, East " 2-A.	3,790	6	...	...	3,790	6	...
			Dhumsa " 2-B.	812	1	...	...	812	1	...
			Bhatikhari " 2-C.	3,420	5	...	...	3,420	5	...
			Dawata " 2-D.	1,323	2	...	...	1,323	2	...

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd)

Division.	Range	Civil District or Territory	Name of Forest	Area on 1st July 1916		Added during the year	Excluded or transferred to other heads	Area on 1st July 1917		No. and date of Notification of addition or transfer	Remarks
				Acres	Equivalent in square miles.	Acres	Acres	Acres	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
NORTH-EASTERN CIRCLE—(Contd.)	Seoni.	Nerbudda.	Seoni.	RESERVED FORESTS—(Contd.)							
				A Class.							
				Jaitpur, Block No. 2-E.	188	...	...	...	188		
				Pindrai, " 2-F	158				158		
				Garghatla, " 2-G.	275				275		
				Sakkam, " 2-H	6,140	10	...	...	6,140	10	
				Rahon, " 2-J.	1,118	2	...		1,118	2	
				Sahasna, " 2-K	199	}	}	}	199	}	}
				Malkhera, " 2-L	228				228		
				Birwakacher, " 3	5,297	8	...	...	5,297	8	
				Rajola, " 3-A	515	1			515	1	
				Katori, " 3-B	523	1	...	...	523	1	
				Roto, " 4	10,052	16	...		10,052	16	
				Roto, " 4-A.	2,147	3	...		2,147	3	
				Roto, " 4-B.	4,028	6	...	...	4,028	6	
				Bichur, " 4-C	317	1		...	317	1	
				Barela, " 4-D	870	1	...	...	870	1	
				Narbada, " 5	17,058	27			17,058	27	
				Rajwarra, " 6.	2,823	5	...	...	2,823	5	
				Kakartala, " 7	3,057	5	...	...	3,057	5	
				Masur Bhaonri, " 7-A.	25	...	...	...	25	...	
				Hiranbhatti, " 8.	1,803	3	...	...	1,803	3	
				Kharaspar, " "	1,042	2	...	...	1,042	2	
				Udepur, " 9-A.	878	1	...	...	878	1	
				Amoda, " 9-B.	433	1	...	...	433	1	
				Dhanpura, " 9-C.	715	1	...	...	715	1	
				Ghansor, " 9-D.	196	...	...	...	196	...	
				Total Range	81,421	127	...	...	81,422	127	
				Total A Class	5,20,351	813	5'90	52'60	520,315	813	
				Total for Division	5,20,352	813	5'90	52'60	520,315	813	
CHINDWARA.	Umroth	Chhindwara.	Chhindwara.	Bilwar Kalan, Block No. 1.	785	1	...	...	785	1	
				Bilwar Khurd, Block No. 2.	186	...	...	...	186	...	
				Garadai, Block No. 3.	1,822	3	...	...	1,822	3	
				Jamal, " 4.	188	...	...	...	188	...	
				Kotakhari, " 5.	2,093	3	...	...	2,093	3	
				Marwa, " 6.	877	1	...	...	877	1	
				Aukhawari, " 7.	601	1	...	...	601	1	
				Imari, " 8.	380	1	...	...	380	1	
				Kharai, " 9.	1,850	3	...	...	1,850	3	
				Dhaw, " 10	2,711	4	...	...	2,711	4	
				Bankatawa, " 11.	20,639	32	...	...	20,639	32	
				Khamkhhera, " 12.	910	1	...	...	910	1	
				Kokat, " 13.	5,342	8	...	...	5,342	8	
				Kohania, " 14.	4,745	7	...	...	4,745	7	
				Kohania, " 14-A.	530	1	...	...	530	1	
				Sohagi, " 15.	278	...	...	...	278	...	
				Talkhanna, " 16.	2,818	4	...	...	2,818	4	

ANNUAL FORM NO. 7.—[PRESCRIBED]—Area of Reserved Forests, Protected Forests, Unclassed & Public Forests Land and Leased Forests, 1916-17—(Contd)

Division	Range	Civil District or Territory	Block	Area on 1st Jan 1916	Additional length	Excluded for heads	Area on 1st Jan 1917	Additional length	Excluded for heads	Area on 1st Jan 1918
1	2	3	4	5	6	7	8	9	10	11
NORTH-EAST CIRCLE—(Contd)	Chhindwara—	Umeth...	Chhindwara	Reserved Forests—(Contd)						
			Sajori, Block No.	1						
			Chhindwara	200						
			Khori...	622	1					
			Chandam...	1,175	2					
			Du...	25,634	41					
			Chandam...	10,790	33					
			Mor...	278	1					
			Mad...	472	1					
			An...	90						
			Bhan...	2,432	1					
			Ghagup...	1,056	2					
			Reh...	712	1					
			Nimb...	680	1					
			Jingal...	1,604	3					
			Bom...	1,190	2					
			Total Range	1,03,914	161					
			Amatwara, Do.							
			Makladi, Block No. 31	1,985	3					
			Pithi, Block No. 32	365	1					
			Nagi...	632	1					
			Lakra...	274						
			Khreti...	1,295	2					
			Baba...	384	1					
			Byot...	370	1					
			Dudd...	6,480	10					
			Barda...	1,616	6					
			Ginor...	209						
			Naheria...	3,086	5					
			Charankhapa...	12,648	10					
			Ghatpiparia...	556	1					
			Dulera...	1,056	3					
			Bichwa...	381	1					
			Charankhapa...	431	1					
			Thaonri...	956	1					
			Berha...	175						
			Chargaon...	1,149	2					
			Puthra...	2,964	4					
			Piparia Manu...	706	1					
			Juhmili...	358	1					
			Sahwara...	810	1					
			Markawara...	817	1					
			Umara...	398	1					
			Jhagraboh...	379	1					
			Kirwari...	339						
			Sugori Khurd...	418	1					
			Navegaon...	321						
			Thaonri...	3,961	6					
			Thesagora...	572	1					
			Urdha...	369	1					
			Kanawara...	1,014	2					

ANNUAL FORM NO 1 - [PREPARED] -- Area of Reserved Forests, Protected Forests, Unclassed or
 Private Forest Land and Leased Forests 1916-17. -- (Contd)

District	Taluk	Village	Block	Area in Acres	Area in Hectares	Area in Gaj	Remarks
NORTH CHITRA (Contd)	Amawara	Chandwara	Block No 65	7,413	2	1,443	
			Block No 66	1,846	3	8,6	
NORTH CHITRA (Contd)	Amawara	Chandwara	Block No 67	2,56	4	2,576	
			Block No 68	749		770	
NORTH CHITRA (Contd)	Amawara	Chandwara	Block No 69	674	5	3,074	
			Block No 70	269		269	
NORTH CHITRA (Contd)	Amawara	Chandwara	Block No 71	263		263	
			Block No 72	1,098		1,098	
NORTH CHITRA (Contd)	Amawara	Chandwara	Block No 73	160		160	
			Block No 74	1,115		1,115	
NORTH CHITRA (Contd)	Amawara	Chandwara	Block No 75	1,341	2	1,341	
			Block No 76	424	1	424	
NORTH CHITRA (Contd)	Amawara	Chandwara	Block No 77	438	1	438	
			Total Range	6,451	103	65,751	
SANK	Do.	Do.	Block No 78	708	1	708	
			Block No 79	806	1	806	
SANK	Do.	Do.	Block No 80	269		269	
			Block No 81	479	1	479	
SANK	Do.	Do.	Block No 82	1,636	3	1,636	
			Block No 83	173	1	173	
SANK	Do.	Do.	Block No 84	617	1	617	
			Block No 85	1,368	2	1,368	
SANK	Do.	Do.	Block No 86	1,050	2	1,050	
			Block No 87	347	1	347	
SANK	Do.	Do.	Block No 88	986	1	986	
			Block No 89	565	1	565	
SANK	Do.	Do.	Block No 90	12		12	
			Block No 91	1,597	3	1,597	
SANK	Do.	Do.	Block No 92	251		251	
			Block No 93	344	1	344	
SANK	Do.	Do.	Block No 94	5,084	8	5,084	
			Block No 95	721	1	721	
SANK	Do.	Do.	Block No 96	29,039	45	29,039	
			Block No 97	1,864	3	1,864	
SANK	Do.	Do.	Block No 98	86		86	
			Block No 99	710	1	710	
SANK	Do.	Do.	Block No 100	205		205	
			Block No 101	2,408	4	2,408	
SANK	Do.	Do.	Block No 102	376	1	376	
			Block No 103	574	1	574	
SANK	Do.	Do.	Block No 104	312		312	
			Block No 105	118		118	
SANK	Do.	Do.	Block No 106	154		154	
			Block No 107	126		126	
SANK	Do.	Do.	Block No 108	389	1	389	
			Block No 109	1,673	2	1,673	
SANK	Do.	Do.	Block No 110	9,621	15	9,621	
			Total Range	65,004	101	65,004	

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range	Civil District or Territory	No. of Forest Blocks	Area as at July 1916		Added during year	Excluded from 1 to other fields	Total Area		Notes
				Acres	Equivalent in square miles			Acres	Square Miles	
1	2	3	4	5	6	7	8	9	10	11
NORTH CIRCLE - (Contd.)										
Chhindwara - (Contd.)	Ambasa	Chhindwara	Dharn Borson, Block No. 117	59	...			59	...	
			Kondar Block No. 118	700	1	.		700	1	
			Waidhra " 119	1,022	-			1,022	1	
			Karwhr " 120	318	1		..	318	1	
			Chichghar " 122	564	1	.		564	1	
			Savapuri " 123	1,265	2	.		1,265	2	
			Germoh " 124	6,040	9			6,040	9	
			Mandwa " 12	603	1			60	1	
			Mohr " 126	595	1		..	595	1	
			Piparpur " 127	985	1	.		985	1	
			Bhojkund " 128	4,752	7		..	4,752	7	
			Kotlun " 129	6,578	104			66,578	104	
			Ambura " 129 A	2,390	4			2,390	4	
			De giri " 130	27,006	42		..	27,006	42	
			Ghogra " 131	3,025	5	..		3,025	5	
			Jamlapur " 132	456	1			456	1	
			Senaurjar " 133	125	1		..	323	1	
			Dighori " 134	162	...			162	.	
			Coringoha " 134-A	838	1	..	..	838	1	
			Matkawara " 135	522	1	.	.	522	1	
			Total Range	1,18,105	185	..	..	1,18,105	185	
	Silkwanal	Do.	K'ia bel, Block No. 106	61,026	95	29	..	61,026	95	Notification No 670, dated the 1st December 1916
			Amakui, Block No. 107	413	1	..	..	413	1	
			Nwar " 108	734	1	..	..	734	1	
			Markasur " 109	1,654	3	..	..	1,654	3	
			Vumripur " 109-1	370	1	.	..	370	1	
			Lich, " 110	259	..	..	..	259	..	
			Jamlapur " 111	527	1	.	..	527	1	
			Bhut n Sao gi Suth, Block No. 112	2,181	3	..	..	2,181	3	
			Hutan North, Block No. 112-A	524	1	..	..	524	1	
			Sad ni, Block No. 113	3,034	5	..	..	3,034	5	
			Paraghat " 114	573	1	..	..	573	1	
			Khi a Padri " 115	1,064	2	.	..	1,064	2	
			Total Range	72,760	114	29	..	72,860	114	
			Total A Class	425,160	664	29	..	425,160	664	
			Under Division	425,160	664	29	..	425,160	664	
			Reserved Forest	24,763,722	6,508	1,756	2,002	4,163,556	6,506	
			AND TOTAL FOR NORTH CIRCLE	4,163,782	6,508	1,756	2,002	4,163,556	6,506	

*For the difference of 22 acres between the last and closing balance sheet notes regarding South Mandalgarh Saugor Division.

ANNUAL FORM NO 7—[PRESCRIBED]—Area of Reserved Forests, Protected Forests Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd)

Division	Range	Collector	Sub-division	Area on 1st July 1917		Added during the year		Excluded during the year		Area on 30th June 1917		No. and date of Notification of addition or transfer, etc.	Remark
				Acres	Equivalent in square miles	Acres	Acres	Acres	Equivalent in square miles	Acres	Equivalent in square miles		
SOUTHERN CIRCULAR	Balaghat	Sonawati	State	61,660	6	504	...	61,504	6	61,504	6	Notification No 45-A, dated the 5th March 1917	Afforested, Addition due to a boundary correction.
			Lanyi	4,111	95	...	...	24,115	58		58
			Kamath	24,463	615	...	...	541,215	845		845
			Total for Division	66,234	971	504	...	626,884	979		979		
	Bhandara	All ranges	Prinlari	...	521	325,456	524	325,456	524		
				
				
				
	Bhandara	All ranges	Portabari	...	9	5,479	9	5,479	9		
				
				
				
	Bhandara	All ranges		
				
				
				
SOUTHERN CIRCULAR	Bhandara	All ranges		
				
				
				
	Bhandara	All ranges		
				
				
				
	Bhandara	All ranges		
				
				
				
SOUTHERN CIRCULAR	Bhandara	All ranges		
				
				
				
	Bhandara	All ranges		
				
				
				
	Bhandara	All ranges		
				
				
				

SOUTH-FRONTIER CIRCLE (Central)		District or Range		All Forests		Class		Class		Class		Class	
Nagpur and Wardha		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
All ranges		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
All forests		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug		Singpur		Raipur	
Total for Division		Raipur		Dhamtari		Do		Drug					

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range	Civil District or Territory.	Name of Forest	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917		No. and date of Notification of addition or transfer, &c.	Remarks
				Acres	Equivalent in square miles	Acres	Acres	Acres	Equivalent in square miles		
1	2		3	5	6	7	8	9	10	11	12
SOUTH-ERN CIRCLE—(Contd.)	South Rai- pur.	North Si- hiwa.	Raipur ...	RESERVED FORESTS.—(Contd.) A Class.							
			Umrathia and Aisa ..	...	...	5,254	...	5,254	8		
			Marduli and Jawari ..	10,526	17	424	..	10,950	18		
			Pilgona and Gondala ..	18,126	28	..	5	18,123	28		
			Mirahani and Chai- gaon	10,815	17	599		11,414	18		
			Sinhohi and Tumka hai	15,865	25		421	15,440	24		
			Kohari and Mohua ..	8,511	13	..	731	7,780	12		
			Achhoh, Dahlet and Churbhata.	9,178	12	437	..	8,615	13		
			Chhotagon and Kungela ..	31,039	49	224		31,263	49		
			Birakhi and Kotai- whi.	1,128	2	..	1,128	..			
			Remainder	45,632	71	..	..	45,632	71		
			Total Range	140,820	234	6,938	1,288	154,470	241		Additions and ex- clusions due to correction of areas by the Forest Map Office, Dehra Dun.
	South Si- hiwa.	Do	Hirudhi ..	730	1	715	..	1,415	2		
			Bansa, Boreli and Kata- wa.	14,964	23	..	3,631	11,333	18		
			Chhotagon and Pand- lipani	10,121	16	..	676	9,445	15		
			Pharaggon and Bhira- gann.	21,996	35	3,925	..	25,921	40		
			Sit madi	..	..	..	294	..	..
			Remainder	113,360	177	..	..	113,360	177		
			Total Range	161,406	252	4,640	4,601	161,504	252		Additions and ex- clusions due to correction of areas by the Forest Map Office, Dehra Dun.
South Rai- pur.	Balod	Drug	Kidari	634	1	4	..	638	1		
			Kantkaper	4,956	8	10	..	4,966	8		
			Moli and Amapara ..	7,184	11	81	..	7,265	11		
			Phagunda	716	1	33	..	749	1		
			Gongli	275	..	221	..	496	..		
			Kerkuti	4,939	8	93	..	5,032	8		
			Baloda and Naghar	4,172	7	41	..	4,213	7		
			Gurpal and Nara	4,084	7	20	..	4,104	7		
			Munigara	4,247	7	84	..	4,331	7		
			Nahoda	5,045	8	5	..	5,050	8		
			Orgon and Pateli	6,304	10	70	24	6,350	10		
			Parkal and Jabkora	7,977	13	118	..	8,095	13		
			Putarwahi	4,519	7	625	..	5,144	8		
			Urye and Chitao	4,958	8	11	..	4,969	8		
			Magedah and Jabkora	9,028	14	18	..	9,046	14		
			Barbham (part)	798	1	..	9	799	1		
			Remainder	25,001	41	..	..	25,001	41		
			Total Range	98,450	154	1,453	33	99,850	156		Additions and ex- clusions due to correction of areas by the Forest Map Office, Dehra Dun.
			Total for Division	634,190	988	17,181	14,093	635,368	994		
			Reserved Forests A Class.	4,050,310	6,426	17,687	14,185	4,065,722	6,333		
			Reserved Forests B Class.	393,775	616	..	1	393,777	616		
			Total Southern Circle	4,444,085	7,042	17,687	14,186	4,447,499	6,949		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd)

Division	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916		Added during the year.	Excluded or transferred to other heads	Area on 30th June 1917.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres	Equivalent in square miles.	Acres	Acres	Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
RESERVED FORESTS UNDER THE IRRIGATION DEPARTMENT											
SOUTH-ERN CIRCLE. (Contd.)	Balaghat	Sonawan Bahar and Dhanua.	Balaghat	A Class.							
				1,015	1	..	..	1,015	1		
				Total for Division	1,015	1	..	1,015	1		
Bhandara	Gankheri.	Bhandara	Kondabura	15			620	635	1	Notification No. 632, dated the 21st November 1916.	For Bodalkar tank.
			Umarjhar	580	1	29	..	609	1	Notification No. 344, dated the 14th September 1916.	For Chorkhaman tank.
			..	1,289	2	..	..	1,289	2		
			Total for Division	1,884	3	649	..	2,533	4		
Bilaspur	East Lohri.	Bilaspur	..	150	..	..	..	150	..		
North Chanda.	Mohari Gunje-wahi.	Chanda	Mohari	2,135	3	8	..	2,143	3		For Naleswar tank.
			Gunje wahi	3,153	5	10	..	3,163	5		For Asola Mendha tank.
			..	4,869	8	..	..	4,869	8		
			Total A Class	10,157	16	18	..	10,175	16		
North Chanda.	Mohari	Chanda	Mohari	6	..	19	..	25	..		For Naleswar tank.
			..	6	..	..	..	6	..		
			Total B Class	12	..	19	..	31	..		
			Total for Division	10,169	16	37	..	10,206	16		
South Chanda.	Dhaba	Chanda	..	13	..	..	..	13	..		
			Total for Division	13	..	..	..	13	..		
South Chanda.	Baba	Drug	..	586	1	..	..	586	1		
			Total for Division	586	1	..	..	586	1		
			Total under the Irrigation Department.								
			A Class	13,801	22	667	..	14,468	22		
South Chanda.	Baba	Drug	B Class	25	..	19	..	44	..		
			GRAND TOTAL	15,836	21	686	..	15,522	22		

ANNUAL FORM NO. 7—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division	Taluk	Civil Station	Name of Forest	Area as July 1st		Added during the year.	Excluded or transferred to other lands.	Area on 30th June 1917.		No. and date of Notification of addition or transfer, &c.	Remarks.	
				Acres	Equivalent in square miles.			Acres.	Acres.			Acres.	Equivalent in square miles.
1	2	3	4	5	6	7	8	9	10	11	12	
RESERVED FORESTS UNDER THE PUBLIC WORKS DEPARTMENT.—(Contd.)												
SOUTH-EERN CIRCLE.—(Contd.)	Bandara	Peral, urli, Bhadrali.	Perting urli	..	..	4	..	4	..	1901 Navegaon Pk. and Chichgarh road.	
			Singandoh	..	..	23	..	23	..		
			..	..	..	..	..	81	..		
			Total for Division	..	61	..	27	..	108			..
			A Class.									
North Chan- da.	Haveli, Mohari and Warragarh.	Chanda	..	..	298	..	..	298	..		
			Total for Division	..	298	..	..	298	..		
			A Class.									
South Chan- da.	Alipali, Markhand's and Siron- ch.	Chanda	..	..	151	..	..	151	..		
			Total A Class	..	151	..	..	151	..		
			B Class.									
South Chan- da.	Markhand's and Siron- ch.	Chanda	..	..	187	..	..	187	..		
			Total B Class	..	187	..	..	187	..		
			Total for Division	..	338	..	..	338	..		
Nagpur- Wardha.	East Pench, Unner and Hingni.	Nagpur and Wardha.	..	..	132	..	..	132	..		
			Total for Division	..	132	..	..	132	..		
			Total under the Public Works Department	..	..	..	..	..	..
			A Class	..	68	..	27	..	69			1
			B Class	..	187	187			..
GRAND TOTAL				..	849	1	27	..	876	1		

ANNUAL FORM NO. 7 - [PRESCRIBED] - *Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17* -- (Contd)

Division	Range	Civil District or Territory	Name of Forest	Area on 1 July 1916		Admitted during the year	Included in the total area on 1 July 1917			No. and date of Notification of transfer	Remarks
				Acres	Equivalent in square miles	Acres	Acres	Acres	Equivalent in square miles		
1	2	3	4	5	6	7	8	9	10	11	12
BERAR CIRCLE.											
				RESERVED FORESTS							
				A Class							
Melghat	..	Amraoti	All Forests	751,676	1,175			751,676	1,175		
Amraoti		Do	Do	49,604	77			49,604	77		
Buldana	..	Buldana	Gumti	6,493	10	36		6,529	10	No 9 A, dated the 8th February 1917	Aforested
Do.		Do	Ghatbori	23,953	43	66		24,019	45	No 9 A and 24 A, dated the 8th February 1917	do
Do	..	Do	Anandri North	16,007	25		21	16,028	25	No 419, dated the 20th July 1916	Transferred to 'C'
Do		Do	All other Forest	108,984	171			108,984	171		
			Total	160,443	252	102	21	160,544	253		
Yeotmal	..	Yeotmal	ondwaki	19,389	30	1,019		20,408	32	(a) No 245, dated the 6th May 1916 and No 488, dated the 23rd August 1916.	Aforested
										No 580, dated the 30th June 1916.	Transferred from "C."
Yeotmal	..	Yeotmal	Kharad	19,181	30	(b) 5,004	(c) 428	24,757	39	(1) Nos 378 and 379, dated the 30th June 1916, No. 404, dated the 10th October 1916, No. 4128 A, dated the 30th June 1917, and No 16-198 C, dated the 26th July 1917	Transferred from "C"
										No. 591, dated the 19th October 1916.	Aforested.
										No 645, dated the 9th December 1916	
										(c) No 383, dated the 30th June 1916	Transferred to "C"
Do.	..	Do	Cahnwala	1,801	3	(d) 1,391		3,192	5	(d) No 382, dated the 30th June 1916.	do.
Do.	..	Do	Sonkhas	1,344	4	(e) 1,768		4,112	6	(e) Nos 770 and 482, dated the 30th June 1916.	do.
Do.	..	Do	Durge			(f) 3,244		3,244	5	(f) No. 381, dated the 30th June 1916.	do.
Do.	..	Do	Pathoat	3,317	5	424		3,741	6	No 371, dated the 30th June 1916.	do.
Do.	..	Do	Anjankher	7,827	12	2,330		10,157	16	No 374, dated the 30th June 1916.	do.
Do.	..	Do	Lonbehel	9,363	15	6,159		15,522	24	No 375, dated the 30th June 1916	do.
Do.	..	Do	Dabhadi	7,739	12	1,302		9,041	14	No 373, dated the 30th June 1916	do.
Do.	..	Do	Rai	534	1	7,004		7,538	12	No 376, dated the 30th June 1916, and Erratum No. 2-1, 117 A, dated the 23rd May 1917	do.
Do.	..	Do	Salara			1,517		1,517		No 372, dated the 30th June 1916.	do.

ANNUAL FORM NO. 1 - [PRESCRIBED] - Area of Reserved Forests, Protected Forests, Unclassed or
 State Land and Leased Forests 1916-17. (Contd.)

Division	Taluk	Forest	Area in 1916		All India Forest Area	Total Forest Area	Area of Forest in 1917		No. of Notified Forest Areas	Remarks
			Forest	Unclassed			Forest	Unclassed		
REAR CIRCLE (Contd.)										
Mysore Division (Contd.)										
Mysore	Mysore	Mysore	142	180	64	14	83	81	No. 84, dated the 7th June 1916	Transferred from "C"
Do	Do	Do	142	180	64	14	83	81	No. 31, dated the 1st May 1917	Afforested.
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180	64	14	83	81	No. 66 B, dated the 1st March 1917	Transferred from "A. G. excluded."
Do	Do	Do	142	180						

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Concl'd.)

Division.	Range	Civil District or Territory.	Name of Forest	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads	Area on 30th June 1917.		Number of Notified or other orders, see	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
BERAR CIRCLE.—(Concl'd.)											
RESERVED FORESTS.—(Contd.)											
(C) Class.											
Akola		Akola	All Forests	80,529	126		(e) 6	80,511	126		
			GRAND TOTAL OF CLASS "C" IN BERAR.	688,494	1,076	1,754	34,424	655,824	1,025		No. 65-A, dated the 21st March 1917 (e) No. 68 dated the 10th January 1917 Disforested.
			GRAND TOTAL OF ALL CLASSES IN BERAR.	2,137,965	3,341	35,608	34,873	2,138,700	3,342		
(A) Class.											
Nimar	Chandgarh.	Nimar	Deha Dalkali	15,414	24		21	15,492	24		
Do.	Do	Do.	Other Forests	72,635	114			72,675	114		No. 54B, dated the 19th September 1916. Disforested.
			Total Range	88,149	138		21	88,197	138		
Do.	Other Ranges.	Do.	All other Forests	990,572	1,548			990,572	1,548		
			Total Division	1,078,711	1,686		21	1,078,699	1,686		
Betul	Ranipar	Betul	Kharagondi	25,198	39	3		25,201	39		
Do.	Do.	Do.	Other Forests	70,302	110			70,308	110		No. 464, dated the 3rd August 1916. Afforested.
			Total Range	95,500	149	3		95,509	149		
Do.	Other Ranges.	Do.	All other Forests	659,900	1,031			659,900	1,031		
			Total Division	755,405	1,180	3		755,409	1,180		
			Total A Class in Nimar and Betul.	1,834,127	2,865	3	21	1,834,168	2,866		
(B-I) Class.											
Betul	All Ranges.	Betul	All Forests	5,666	9			5,666	9		
			Total Division	5,666	9			5,666	9		
			Total B-I Class in Nimar and Betul.	5,666	9			5,666	9		
			Total of all Classes in Nimar and Betul.	1,839,853	2,874	3	21	1,839,834	2,875		
			GRAND TOTAL OF ALL CLASSES IN BERAR CIRCLE.	3,977,818	6,215	35,701	34,894	3,978,614	6,217		
			GRAND TOTAL CENTRAL PROVINCES BERAR.	12,585,388	19,765	55,144	57,083	12,589,649	19,872		

FORM NO 8—P *Progress made in Forest Settlements during the year 1916-17*

Forest Division			Acreage in square miles			Cost during year		Estimated cost per square mile of area finally settled	Government Notification of Settlement	
			1. By the Government	2. By the private landholders	3. By the public landholders	4. In Forest Accounts	5. In other Accounts		No.	Date
			1	2	3	4	5	6	7	8
NORTH CENTRAL CIRCLE										
North Malabar	V. R.	{	11	21					414	13th July 1916.
			10	120					590	19th October 1916
					12				1,148	11th June 1917
South Malabar	N. R.	{	13	15					590	19th October 1916
			46	16					345	19th June 1916
Jubbulpore	J. R.	{								
Narsinghpur	N. R.	{								
Jamsh	J. R.	{								
Sagar	S. R.	{							341	19th June 1916.
									616	6th November 1916
									964	27th June 1916
									250	20th July 1916.
									344	29th June 1916
									366	Do
									367	Do
									253	10th May 1916
									235	27th April 1916
									697	18th January 1917.
Homburgabad	H. R.	{							669	21st December 1916.
									627	20th November 1916
									142	14th September 1916.
Bom	B. R.	{							47-A	21st March 1917.
Chandwara	C. R.	{							670	21st December 1916.
Total North Central Circle			16,505	6,605	164	604				
SOUTHERN CIRCLE										
Nalgat	Nalgat	Ninegaon	0'79 (f)		0'19 (a)				(a) 461	3rd August 1916.
Bhandar	Bhandar	Thadaplat			0'44				(b) 45-A 411	5th March 1917. 13th July 1916.
Wardha	Wardha	Bethara			0'55				608	and November 1916
Bhandarwah	Bhandarwah	{			0'14				416	22nd July 1916.
					0'14				466	5th August 1916
					0'21				485	23rd August 1916
Total Southern Circle			0'79		3'39					

FORM NO. 8.—Progress made in Forest Settlements during the year 1916-17.—(Concl'd).

Forest Division.	Civil District or Territory.	Name of Forest.	Area in square miles.			Cost during year.		Entire cost per square mile of area settled.	Government Notification of Settlement.	
			Finally settled during year.	In hand at commencement of year.	Taken up during year.	In local accounts.	In other accounts.		No.	Date.
1	2	3	4	5	6	7	8	9	10	11
BERAR CIRCLE										
R E S I D E N C I A L										
C l a s s .										
Melghat	Amraoti	"	"	"	"	"	"	"	"	"
Amraoti	Amraoti	"	"	"	"	"	"	"	"	"
Baldara	Buldana	Dhaleawangi	(1) 0.06	0.06	"	"	"	"	(1) 9-A	9th February 1917.
		Hammankhed	(2) 0.04	0.04	"	"	"	"	(1) 17	28th July 1916.
		Degaon	(3) 0.05	"	(2) 0.05	"	"	"	420	20th July 1916.
		"	"	"	"	"	"	"	(3) 24-A	21st February 1917.
		"	"	"	"	"	"	"	(4) 246	6th May 1916.
		"	"	"	"	"	"	"	488	23rd August 1916.
		"	"	"	"	"	"	"	489	23rd August 1916.
		"	"	"	"	"	"	"	592	19th October 1916.
		Several Villages	(4) 4.11 (5) 0.50 (6) 0.60	5.21	"	"	"	"	655	9th December 1916.
		"	"	"	"	"	"	"	593	19th October 1916.
Yestmal	Yestmal	"	"	"	"	"	"	"	656	9th December 1916.
		"	"	"	"	"	"	"	35-A	19th February 1917.
		"	"	"	"	"	"	"	(5) 100 to "E" class.	"
		"	"	"	"	"	"	"	(6) Not to be notified under Section 19.	"
		"	"	"	"	"	"	"	"	"
Akola	Akola	Several Villages	(7) 1.06	1.06	"	"	"	"	(7) 321	31st May 1916.
		"	"	"	"	"	"	"	1 118-A	19th May 1917.
		Sondoli, Yekamba and Thardi villages.	"	"	0.07	"	"	"	437	22nd July 1916.
		Several Villages	"	"	3.44	"	"	"	96-A	21st April 1916.
Akola	Akola	Mangrol Khurd and Dabhadli villages.	"	"	1.96	"	"	"	86-C	31st May 1917.
		"	"	"	"	"	"	"	"	"
Nimar	Nimar	"	"	"	"	"	"	"	"	"
Betul	Betul	Pharakhia Railway Station.	0.05	0.05	"	"	"	"	465	23rd August 1916.
Total Berar Circle			6.435	6.375	5.55	"	"	"	"	"
Total Central Provinces and Berar			33.019	31.180	7.956	604	"	"	"	"

FORM NO. 9.—[PRESCRIBED],—Record of Demarcation and Maintenance of Boundaries, 1916-17.

Division	Total length of boundary with marked boundaries at close of the year	Length of boundary still to be demarcated at close of the year	Length of natural boundaries not requiring artificial marks.	Total length of boundary at close of the year.	Expenditure on demarcation during the year		Remarks.
					On new work	On repairs	
	5	6	7	8	9	10	11
	Mile	Mile	Miles.	Miles.	Rs.	Rs.	
NORTHERN CIRCLE							
North-Mandla	1,547	2	168	1,765	...	1,598	(a) No expenditure incurred.
South-Mandla	1,198	27	37	1,335	3 (d)	1,198	(b) Decrease of 5 miles due to changes in Form No. 7.
Jabalpore-Narsinghpur	1,230	62	296	1,532	...	901	
Damoh	1,398	1,091	358	1,756	36	248	(c) Decrease of 2 miles due to changes in Form No. 7.
Saugor	1,613	31	220	1,833 (e)	215	1,291	(d) For demarcating Pondi Forest village.
Hoshangabad	469	5	40	518	...	1,025	
Soni	1,076	206	279	1,905	...	1,125	(e) Decrease of 8 miles due to exchanges of areas.
Chhindwara	1,452	1,303	19	1,471	38	832	
Total Northern Circle	5,832	4,777	1,476	12,115	294	8,218	
SOUTHERN CIRCLE							
Balghat	794	475	119	1,388	...	1,813	
Bhandara	1,058	300	135	1,493	...	120	
Bilaspur	364	75	120	484	...	120	
North-Chanda	2,076	296	230	2,306	...	885	
South-Chanda	705	130	99	804	...	595	
Nagpur-Wardha	1,174	733	107	1,281	...	1,296	
North-Raipur	439	439	119	558	*94	216	*Expenditure incurred for construction of 28 new masonry pillars.
South-Raipur	838	835	36	874	9	378	

FORM NO. 9.—[PRESCRIBED].—Record of Demarcation and Maintenance of Boundaries,
1916-17.—(Concl'd)

Division.	Length of boundaries artificially demarcated during the year	Length of previously existing boundaries repaired	Length of previously existing boundaries not repaired	Total length of artificially marked boundaries at close of the year.	Length of boundaries still to be demarcated at close of the year	Length of natural boundaries not requiring artificial marks	Total length of boundaries at the close of the year	Expenditure on demarcation during the year		Remarks
								On new work.	On repairs	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles	Miles.	Miles	Miles	Miles	Miles	Rs	Rs	
BERAR CIRCLE										
Maighat A Class	...	92	226	318	..	58	376	.	370	
Amraoti { A Class	...	...	390	390	.	13	403		..	
	...	.	3,070	3,070		17	3,087		.	
Buldana { A Class	...	64	495	559	..	15	574	...	262	
	...	158	496	655	..	...	665	3	174	
Yeotmal { A Class	56	...	972	1,028	109	52	1,180	592	80	
	..	.	4,042	4,042	.	..	4,042	...	...
Akola { A Class	...	43	884	927	30	11	968	620	11	
	...	...	...	...	...	...	...	3	66	
Nimar A Class	...	269	794	1,063	...	301	1,364	...	1,362	
Betul { A Class	..	811	385	1,196	...	178	1,374	104	713	
	...	2	24	26	...	8	34	..	...
Total Berar Circle	100	1,396	11,778	13,274	139	653	14,066	1,322	3,038	
GRAND TOTAL CENTRAL PROVINCES AND BERAR.	133	9,330	22,567	32,036	139	3,094	35,269	1,719	16,699	

FORM No. 10.

FORM NO 10.—[PRESCRIBED]—Statement of Forest areas surveyed and under

Division	Area surveyed and under survey during the											
	Special surveys—Maps on 2 inch scale or over by Survey of India Department or Forest Survey Branch						Ordinary included in topographical Programme of the Survey of India or in District Surveys					
	With interior details			Boundary Surveys			With interior details			Boundary Surveys		
	Previous	Of year	Total cost	Previous	Of year	Total cost	Previous	Of year	Total cost	Previous	Of year	Total cost
1	2	3	4	5	6	7	8	9	10	11	12	13
	Sq Ms	Sq Ms	Rs	Sq Ms	Sq Ms	Rs	Sq Ms	Sq Ms	R	Sq Ms	Sq Ms	Rs
NORTHERN CIRCLE												
North-Mandla	754		57,267							32		
South-Mandla	1,135		57,338							21		
Jubbulpore-Narsinghpur	591		69,160									
Damoh	792		2,12,429									
Saugor	752		79,030									
Hoshangabad	1,211		18,873									
Seoni	827		60,146									
Chhindwara	712		49,185									
Total Northern Circle	6,774		6,03,804							53		
SOUTHERN CIRCLE												
Balaghat	954		45,963									
Bhandara	533		36,822									
Bilaspur	(a) 624		42,549									
North-Chanda	3,066		86,999									
South-Chanda												
Nagpur-Wardha	705		60,467									
North-Raipur	1,386		1,03,818									
South Raipur												
Total Southern Circle	7,268		3,76,618									
BERAR CIRCLE.												
Meighat	1,175											
Amraoti						224	39			259		
Buldana	126						323			1,225		
Yectmal							732			2,137		
Akola							212			920		
Wingar	1,657		5,309				29			29		
Betul	1,189		20,207									
Total Berar Circle	4,147		25,516			224	1,335			4,570		
GRAND TOTAL FOR CENTRAL	18,186		10,05,028			224	1,335			4,570		

Survey during the year 1916 17

Year 1916 17										Cost		Total cost of all surveys and of the year	Per cent.	
Chron n l C										Object	Entire cost of all surveys and of the year			
With view to														
4 inch or over														
Previous	Of year													
14	15									16		27		
39 31										110				
										57 207		7 207		
										57 338		57 338		
										60 186		60 186		
										1 140		1 140		
										70 030		70 030		
										13 073		13 073		
										10 146		10 146		
										10 185		10 185		
										10 074		10 074		
										15 463		15 463		
										10 322		10 322		
										1 149		1 149		
										10 049		10 049		
										60 407		60 407		
										1 03 016		1 03 016		
										17 618		17 618		
168										2 16 815	4	2 16 815		
40										2 304	61	2 304		
28										420	3	420		
										20 850	721	20 850		
										4 515	152	4 515		
										5 309		5 309		
										20 207		20 207		
										2 70 896	941	2 70 896		
										12 60 318	941	12 60 318		

(a) Include 120 square miles of the Sonakhan Range transferred to the North-West Division.

(a) Include 100 square mile of the Sonmahan R. area transferred to the North-Region Division.

FORM NO. 11.—Progress made in Working Plans during the year 1916-17.

Division.	Area under sanctioned Working Plans.					Area not under Working Plans				Revisions.				Expenditure on Working Plans during the year	Remarks.
	At commencement of year.	Added during year.	Deducted during year.	At close of year		Plans under preparation.	Plans not under preparation		Total forest area in Form No. 7 (Total of columns 5, 7, 8 and 9)	Deducted or required.	In progress at end of year.	Revised plans sanctioned during year			
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NORTHERN CIRCLE															
North-Mandla	175			175	22			611	786						Includes 119 sq. miles of the Mandla & forest rule rough scheme.
South-Mandla	244			443	38			718	1,161						
Jubbulpore-Narsinghpur	590			590	100				590						Please see remarks, given in Form No. 7. Due to inaction being neglected.
Damoh	793		11	1792	100				1792						
Saugor	749			749	100				749						
Hoshangabad	740			740	77		55	156	951						
Seoni	813			313	100				813						
Chhindwara	664			664	100				664						
Total	4,967		1	4,900	76		55	1,445	1,506						
SOUTHERN CIRCLE.															
Balghat	873	50 (a)		903	95		2	14 (b)	970			680			(1) New work. (2) Allocated after the preparation of the Raj Working Plan.
Bhamwara	131			513	100				533						
Bilaspur	545			545	100				545						
North-Chanda	(c) 1,112			1,127	81			(d) 257	1,384	1,112					(c) Includes 13 sq. miles of B class Forest. (d) D class Forest.
South-Chanda	643			643	50	(e) 307		(f) 335	1,285		(g) 65				(e) Siwacha Range. (f) B class Forest. (g) Wainganga F. S.
Nagpur-Wardha	715			715	100				715						
North-Raipur	515			515	100				515		315				
South-Raipur	963	(h) 5		668	97	(i) 22		(k) 3	993		968				(h) Correction of areas. (i) Allocated since the old Working Plans were sanctioned. (k) Land recently taken over from the Irrigation Department.
Total Southern Circle	5,914	95		6,009	86	329	2	620	6,949	1,112	1,548	680			
BERAR CIRCLE.															
Melghat	693	482		1,175	100				1,175			693			
Azarnoti						223			223					4	
Buldana	430			430	100				430						
Yestmal	19			19	139	(a) 757		415	1,191		19		580		(a) Includes 19 sq. miles of column 4 which have been incorporated in the Working Plan for the whole Division.
Akola	323			323	100				323						
Nimar	1,686			1,686	100				1,686						
Betul	1,180			1,180	99			(b) 9	1,189						(b) B class Forest to be de-forested.
Total Berar Circle	4,331	482		4,313	77	980		424	6,317		19	693	593		
GRAND TOTAL FOR CENTRAL PROVINCES AND BERAR.	1,05,934	577	1	15,807	219	1,369	57	2,518	19,073	1,112	1,567	873	593		

(1) No entries referring to revisions of sanctioned plans will be made in columns 2 to 9.

(2) Notes will be made in column 15 to explain whether entries in columns 3 and 4 refer to new work, to corrections of area or to amendment of working plan prescriptions.

(3) No entries will be made in column 4 regarding temporary suspensions pending revision.

(4) New areas included in, or areas thrown out, during revisions will be shown in columns 3, 4 and 7, and not in columns 12 and 13.

(5) Remarks entered for the completion of working plans will be shown in the remarks column only.

FORM NO. 12.

FORM NO. 12.—Statement showing

Division	New works undertaken during the year.														
	Buildings.					Roads and paths								Other works	
	Expenditure on				Total expenditure incurred	Cart loads		Bridle paths and feeder roads		Others		Total length of paths or roads.	Total expenditure incurred.	Expenditure in current	Total Expenditure on new works.
	Head-quarter houses.	Rest houses	Houses for subordinate establishment	Others		Length.	Cost	Length.	Cost	Length	Cost				
1	2 (a)	2 (b)	2 (c)	2 (d)	3	4 (a)	4 (b)	4 (c)	4 (d)	4 (e)	4 (f)	5	6	7	8
NORTHERN CIRCLE															
North-Mandla			171		473		(a) 303						100	124	837
South-Mandla	1,057	450	2,300		(b) 3,807	1	101	7	16	14	(h) 10	23	177	150	4,309
Jubbulpore-Narsinghpur						4	1,081					14	1,681	115	1,986
Damoh	981	410	1,791		3,181	56	17,749		213	115	10	3	17,992	1,945	16,811
Saugor			161		767	7	139			13	1	10	147		1,309
Hoshangabad	255	1,500	1,712	(e) 173	3,640	17	1,118	24	1,466	14	(f) 983	51	6,112	343	10,219
Seoni	162				162	13	1,013						1,013		1,275
Chhindwara	3,527		473		4,000	1	10						10	102	4,162
Total Northern Circle	6,044	2,300	7,516	173	16,033	769	19,611	31	1,715	30	1,061	197	22,157	3,410	41,662
SOUTHERN CIRCLE.															
Balaghat		15	1,667		1,682	10	4,746					10	1,140	104	6,512
Balaghat School														61	61
Bhandara			14		14	4	11						11	11	301
Bitaspur			200		200	1	510						410		710
North Chanda			790		790									341	1,641
South Chanda			60		60									171	631
Nagpur-Wardha			412		412	7	1,351	8	343	20	1,017	15	1,465	427	3,607
North Raipur			51		51									120	850
South Raipur			1,128		1,128	10	52							784	1,964
Total Southern Circle		15	4,712		4,727	37	7,660	28	1,444	39	1,83	700	4,150	1,487	16,493
BERAR CIRCLE.															
Meihat			2,409	92	2,501	11	2,003					10	1,023	205	4,729
Amraoti	1,233		150		1,403										1,403
Buldana		811			811					1,123	517	1,25	517	320	1,643
Yeshwant			81	51	132	810	340			1,115	740	813	1,060	1,010	1,863
Akola			1,645		1,645									300	1,945
Nimar				49	49	811	2,017							168	2,215
Betul				195	195	10,67	36,803	14,48	307	15,0	12	41,48	17,204	818	18,311
Total Berar Circle	1,233	811	4,695	391	7,040	811	21,763	14,48	397	17,36	1,269	635	23,421	3,815	25,499
TOTAL CENTRAL PROVINCES AND BERAR.	7,277	3,185	16,827	164	27,863	1767	49,033	75,48	2,451	102,36	2,813	331,5	53,007	6,604	91,240

Note.—A sum of Rs. 45 which has been wrongly debited to buildings

Communications and Buildings during the year 1916-17

Repairs executed during the year

Buildings					Roads and paths						
Expenditure on					Carriageways		Bridle-paths and feeder roads		Others		Total length of paths or roads.
Head quarter houses.	Rest-houses.	Houses for subordinate establishment	Others	Total expenditure incurred	Length	Cost	Length	Cost	Length	Cost	
9 (a)	9 (b)	9 (c)	9 (d)	9 (e)	11 (a)	11 (b)	11 (c)	11 (d)	11 (e)	11 (f)	12
Rs.	Rs.	Rs.	Rs.	Rs.	M	C.	M	C.	M	C.	M C.
308	...	417	46	685	70	500	5	40	...	...	65
341	877	668	119	1,565	94	0'5	32	131	1	403	117
...	23	1,006	157	1,186	49	240	10	147	...	...	62
...	14	663	...	677	14	145	1	910	43	176	187
...	76	450	64	590	168	2,757	...	...	...	...	168
349	988	722	...	1,710	147	3,074	...	...	3	446	446
...	794	1,093	111	1,998	107	114	...	...	...	...	102
108	16	464	6	590	86	558	...	...	...	...	86
1,100	2,788	5,432	504	10,124	1,151	9,748	48	494	4	486	1,233
...	328	1,317	167	1,812	186	2,371	...	...	32	328	221
...
...	78	491	23	692	322	677	...	...	...	...	222
...	91	211	279	481	111	503	14	19	...	...	175
...	316	403	...	719	147	1,091	...	...	...	...	317
...	384	942	118	1,444	617	2,023	...	...	26	71	633
...	80	749	...	829	114	1,317	...	...	44	79	378
...	313	687	...	1,000	207	644	28	7	...	...	210
...	70	1,016	23	1,109	303	1,053	...	...	...	...	303
...	1,100	6,133	758	7,991	1,247	10,501	26	26	97	388	2,360
...	920	2,071	1,371	3,762	442	2,781	500	612	...	...	742
...	712	1,300	...	2,012	56	2,073	...	...	...	...	56
...	180	364	159	603	120	1,145	3	10	113	200	305
...	77	846	76	999	14	744	2	40	3	...	155
...	20	387	...	407	110	416	...	...	...	...	110
...	331	1,044	10	1,385	208	1,096	...	...	...	...	208
...	184	975	...	1,159	309	1,051	...	...	...	...	309
...	1,100	6,372	1,596	8,068	1,266	14,113	264	554	153	204	2,187
...	1,100	20,507	2,003	23,610	1,148	23,782	208	1,143	209	1,074	5,780

Notes: The Division instead of to Military Grass operations has been excluded by this office.

Abstract.

SOUTHERN CIRCLE.

Roads.

Buildings.

New works
Old works

Rd.
Bldg.

New works
Old works

Rd.
Bldg.

1916-17 1915-16 1914-15 1913-14 1912-13 1911-12 1910-11 1909-10 1908-09 1907-08 1906-07 1905-06 1904-05 1903-04 1902-03 1901-02 1900-01 1899-00 1898-99 1897-98 1896-97 1895-96 1894-95 1893-94 1892-93 1891-92 1890-91 1889-90 1888-89 1887-88 1886-87 1885-86 1884-85 1883-84 1882-83 1881-82 1880-81 1879-80 1878-79 1877-78 1876-77 1875-76 1874-75 1873-74 1872-73 1871-72 1870-71 1869-70 1868-69 1867-68 1866-67 1865-66 1864-65 1863-64 1862-63 1861-62 1860-61 1859-60 1858-59 1857-58 1856-57 1855-56 1854-55 1853-54 1852-53 1851-52 1850-51 1849-50 1848-49 1847-48 1846-47 1845-46 1844-45 1843-44 1842-43 1841-42 1840-41 1839-40 1838-39 1837-38 1836-37 1835-36 1834-35 1833-34 1832-33 1831-32 1830-31 1829-30 1828-29 1827-28 1826-27 1825-26 1824-25 1823-24 1822-23 1821-22 1820-21 1819-20 1818-19 1817-18 1816-17 1815-16 1814-15 1813-14 1812-13 1811-12 1810-11 1809-10 1808-09 1807-08 1806-07 1805-06 1804-05 1803-04 1802-03 1801-02 1800-01 1799-00 1798-99 1797-98 1796-97 1795-96 1794-95 1793-94 1792-93 1791-92 1790-91 1789-90 1788-89 1787-88 1786-87 1785-86 1784-85 1783-84 1782-83 1781-82 1780-81 1779-80 1778-79 1777-78 1776-77 1775-76 1774-75 1773-74 1772-73 1771-72 1770-71 1769-70 1768-69 1767-68 1766-67 1765-66 1764-65 1763-64 1762-63 1761-62 1760-61 1759-60 1758-59 1757-58 1756-57 1755-56 1754-55 1753-54 1752-53 1751-52 1750-51 1749-50 1748-49 1747-48 1746-47 1745-46 1744-45 1743-44 1742-43 1741-42 1740-41 1739-40 1738-39 1737-38 1736-37 1735-36 1734-35 1733-34 1732-33 1731-32 1730-31 1729-30 1728-29 1727-28 1726-27 1725-26 1724-25 1723-24 1722-23 1721-22 1720-21 1719-20 1718-19 1717-18 1716-17 1715-16 1714-15 1713-14 1712-13 1711-12 1710-11 1709-10 1708-09 1707-08 1706-07 1705-06 1704-05 1703-04 1702-03 1701-02 1700-01 1699-00 1698-99 1697-98 1696-97 1695-96 1694-95 1693-94 1692-93 1691-92 1690-91 1689-90 1688-89 1687-88 1686-87 1685-86 1684-85 1683-84 1682-83 1681-82 1680-81 1679-80 1678-79 1677-78 1676-77 1675-76 1674-75 1673-74 1672-73 1671-72 1670-71 1669-70 1668-69 1667-68 1666-67 1665-66 1664-65 1663-64 1662-63 1661-62 1660-61 1659-60 1658-59 1657-58 1656-57 1655-56 1654-55 1653-54 1652-53 1651-52 1650-51 1649-50 1648-49 1647-48 1646-47 1645-46 1644-45 1643-44 1642-43 1641-42 1640-41 1639-40 1638-39 1637-38 1636-37 1635-36 1634-35 1633-34 1632-33 1631-32 1630-31 1629-30 1628-29 1627-28 1626-27 1625-26 1624-25 1623-24 1622-23 1621-22 1620-21 1619-20 1618-19 1617-18 1616-17 1615-16 1614-15 1613-14 1612-13 1611-12 1610-11 1609-10 1608-09 1607-08 1606-07 1605-06 1604-05 1603-04 1602-03 1601-02 1600-01 1599-00 1598-99 1597-98 1596-97 1595-96 1594-95 1593-94 1592-93 1591-92 1590-91 1589-90 1588-89 1587-88 1586-87 1585-86 1584-85 1583-84 1582-83 1581-82 1580-81 1579-80 1578-79 1577-78 1576-77 1575-76 1574-75 1573-74 1572-73 1571-72 1570-71 1569-70 1568-69 1567-68 1566-67 1565-66 1564-65 1563-64 1562-63 1561-62 1560-61 1559-60 1558-59 1557-58 1556-57 1555-56 1554-55 1553-54 1552-53 1551-52 1550-51 1549-50 1548-49 1547-48 1546-47 1545-46 1544-45 1543-44 1542-43 1541-42 1540-41 1539-40 1538-39 1537-38 1536-37 1535-36 1534-35 1533-34 1532-33 1531-32 1530-31 1529-30 1528-29 1527-28 1526-27 1525-26 1524-25 1523-24 1522-23 1521-22 1520-21 1519-20 1518-19 1517-18 1516-17 1515-16 1514-15 1513-14 1512-13 1511-12 1510-11 1509-10 1508-09 1507-08 1506-07 1505-06 1504-05 1503-04 1502-03 1501-02 1500-01 1499-00 1498-99 1497-98 1496-97 1495-96 1494-95 1493-94 1492-93 1491-92 1490-91 1489-90 1488-89 1487-88 1486-87 1485-86 1484-85 1483-84 1482-83 1481-82 1480-81 1479-80 1478-79 1477-78 1476-77 1475-76 1474-75 1473-74 1472-73 1471-72 1470-71 1469-70 1468-69 1467-68 1466-67 1465-66 1464-65 1463-64 1462-63 1461-62 1460-61 1459-60 1458-59 1457-58 1456-57 1455-56 1454-55 1453-54 1452-53 1451-52 1450-51 1449-50 1448-49 1447-48 1446-47 1445-46 1444-45 1443-44 1442-43 1441-42 1440-41 1439-40 1438-39 1437-38 1436-37 1435-36 1434-35 1433-34 1432-33 1431-32 1430-31 1429-30 1428-29 1427-28 1426-27 1425-26 1424-25 1423-24 1422-23 1421-22 1420-21 1419-20 1418-19 1417-18 1416-17 1415-16 1414-15 1413-14 1412-13 1411-12 1410-11 1409-10 1408-09 1407-08 1406-07 1405-06 1404-05 1403-04 1402-03 1401-02 1400-01 1399-00 1398-99 1397-98 1396-97 1395-96 1394-95 1393-94 1392-93 1391-92 1390-91 1389-90 1388-89 1387-88 1386-87 1385-86 1384-85 1383-84 1382-83 1381-82 1380-81 1379-80 1378-79 1377-78 1376-77 1375-76 1374-75 1373-74 1372-73 1371-72 1370-71 1369-70 1368-69 1367-68 1366-67 1365-66 1364-65 1363-64 1362-63 1361-62 1360-61 1359-60 1358-59 1357-58 1356-57 1355-56 1354-55 1353-54 1352-53 1351-52 1350-51 1349-50 1348-49 1347-48 1346-47 1345-46 1344-45 1343-44 1342-43 1341-42 1340-41 1339-40 1338-39 1337-38 1336-37 1335-36 1334-35 1333-34 1332-33 1331-32 1330-31 1329-30 1328-29 1327-28 1326-27 1325-26 1324-25 1323-24 1322-23 1321-22 1320-21 1319-20 1318-19 1317-18 1316-17 1315-16 1314-15 1313-14 1312-13 1311-12 1310-11 1309-10 1308-09 1307-08 1306-07 1305-06 1304-05 1303-04 1302-03 1301-02 1300-01 1299-00 1298-99 1297-98 1296-97 1295-96 1294-95 1293-94 1292-93 1291-92 1290-91 1289-90 1288-89 1287-88 1286-87 1285-86 1284-85 1283-84 1282-83 1281-82 1280-81 1279-80 1278-79 1277-78 1276-77 1275-76 1274-75 1273-74 1272-73 1271-72 1270-71 1269-70 1268-69 1267-68 1266-67 1265-66 1264-65 1263-64 1262-63 1261-62 1260-61 1259-60 1258-59 1257-58 1256-57 1255-56 1254-55 1253-54 1252-53 1251-52 1250-51 1249-50 1248-49 1247-48 1246-47 1245-46 1244-45 1243-44 1242-43 1241-42 1240-41 1239-40 1238-39 1237-38 1236-37 1235-36 1234-35 1233-34 1232-33 1231-32 1230-31 1229-30 1228-29 1227-28 1226-27 1225-26 1224-25 1223-24 1222-23 1221-22 1220-21 1219-20 1218-19 1217-18 1216-17 1215-16 1214-15 1213-14 1212-13 1211-12 1210-11 1209-10 1208-09 1207-08 1206-07 1205-06 1204-05 1203-04 1202-03 1201-02 1200-01 1199-00 1198-99 1197-98 1196-97 1195-96 1194-95 1193-94 1192-93 1191-92 1190-91 1189-90 1188-89 1187-88 1186-87 1185-86 1184-85 1183-84 1182-83 1181-82 1180-81 1179-80 1178-79 1177-78 1176-77 1175-76 1174-75 1173-74 1172-73 1171-72 1170-71 1169-70 1168-69 1167-68 1166-67 1165-66 1164-65 1163-64 1162-63 1161-62 1160-61 1159-60 1158-59 1157-58 1156-57 1155-56 1154-55 1153-54 1152-53 1151-52 1150-51 1149-50 1148-49 1147-48 1146-47 1145-46 1144-45 1143-44 1142-43 1141-42 1140-41 1139-40 1138-39 1137-38 1136-37 1135-36 1134-35 1133-34 1132-33 1131-32 1130-31 1129-30 1128-29 1127-28 1126-27 1125-26 1124-25 1123-24 1122-23 1121-22 1120-21 1119-20 1118-19 1117-18 1116-17 1115-16 1114-15 1113-14 1112-13 1111-12 1110-11 1109-10 1108-09 1107-08 1106-07 1105-06 1104-05 1103-04 1102-03 1101-02 1100-01 1099-00 1098-99 1097-98 1096-97 1095-96 1094-95 1093-94 1092-93 1091-92 1090-91 1089-90 1088-89 1087-88 1086-87 1085-86 1084-85 1083-84 1082-83 1081-82 1080-81 1079-80 1078-79 1077-78 1076-77 1075-76 1074-75 1073-74 1072-73 1071-72 1070-71 1069-70 1068-69 1067-68 1066-67 1065-66 1064-65 1063-64 1062-63 1061-62 1060-61 1059-60 1058-59 1057-58 1056-57 1055-56 1054-55 1053-54 1052-53 1051-52 1050-51 1049-50 1048-49 1047-48 1046-47 1045-46 1044-45 1043-44 1042-43 1041-42 1040-41 1039-40 1038-39 1037-38 1036-37 1035-36 1034-35 1033-34 1032-33 1031-32 1030-31 1029-30 1028-29 1027-28 1026-27 1025-26 1024-25 1023-24 1022-23 1021-22 1020-21 1019-20 1018-19 1017-18 1016-17 1015-16 1014-15 1013-14 1012-13 1011-12 1010-11 1009-10 1008-09 1007-08 1006-07 1005-06 1004-05 1003-04 1002-03 1001-02 1000-01 999-00 998-99 997-98 996-97 995-96 994-95 993-94 992-93 991-92 990-91 989-90 988-89 987-88 986-87 985-86 984-85 983-84 982-83 981-82 980-81 979-80 978-79 977-78 976-77 975-76 974-75 973-74 972-73 971-72 970-71 969-70 968-69 967-68 966-67 965-66 964-65 963-64 962-63 961-62 960-61 959-60 958-59 957-58 956-57 955-56 954-55 953-54 952-53 951-52 950-51 949-50 948-49 947-48 946-47 945-46 944-45 943-44 942-43 941-42 940-41 939-40 938-39 937-38 936-37 935-36 934-35 933-34 932-33 931-32 930-31 929-30 928-29 927-28 926-27 925-26 924-25 923-24 922-23 921-22 920-21 919-20 918-19 917-18 916-17 915-16 914-15 913-14 912-13 911-12 910-11 909-10 908-09 907-08 906-07 905-06 904-05 903-04 902-03 901-02 900-01 899-00 898-99 897-98 896-97 895-96 894-95 893-94 892-93 891-92 890-91 889-90 888-89 887-88 886-87 885-86 884-85 883-84 882-83 881-82 880-81 879-80 878-79 877-78 876-77 875-76 874-75 873-74 872-73 871-72 870-71 869-70 868-69 867-68 866-67 865-66 864-65 863-64 862-63 861-62 860-61 859-60 858-59 857-58 856-57 855-56 854-55 853-54 852-53 851-52 850-51 849-50 848-49 847-48 846-47 845-46 844-45 843-44 842-43 841-42 840-41 839-40 838-39 837-38 836-37 835-36 834-35 833-34 832-33 831-32 830-31 829-30 828-29 827-28 826-27 825-26 824-25 823-24 822-23 821-22 820-21 819-20 818-19 817-18 816-17 815-16 814-15 813-14 812-13 811

Total expenditure incurred	Other works.	Total expenditure incurred	Remarks
13	14	15	16
Rs.	Rs.	Rs.	
600	124	1,409	
1,136	177	3,218	(a) Cost of work done during 1915-16.
433	386	2,004	(b) Includes Rs. 32 for mala crossings.
1,086	352	2,115	(c) Includes Rs. 95 being pay of a mali.
1,253	111	2,460	(d) Includes Rs. 500 spent on repairs of 57 miles of District Council road on their behalf.
4,350	561	7,170	(e) Acquisition of two lands.
712	267	2,957	(f) Includes Rs. 757 for causeway.
558	1	1,153	(g) Includes Rs. 71, pay of a mali.
10,128	1,979	22,486	(h) Includes Rs. 88 for mali.
			* Alignment.
			‡ Causeways.
2,599	558	4,069	
...	270	270	
677	125	1,333	
588	80	1,148	
1,823	221	3,312	
2,194	594	4,995	
1,324	321	2,474	
655	495	2,168	
1,055	570	2,781	
10,915	3,234	23,450	
3,333	410	10,809	
5,073	251	8,888	
1,356	225	2,439	
752	123	1,853	
436	220	1,446	
1,026	253	4,965	
2,062	92	2,512	
14,938	1,643	33,603	
25,981	6,256	79,628	

Other Works.

New works
Old works

Total

Rs.
3,487
3,334
6,721

FORM NO. 12. - Statement showing

New works or le taken during the year																
District	Fencing					Roads and paths					Other works					Total expenditure on new works
	L. 1. 2. 3. 4.					Bridle paths and feet roads		Other			L. 1. 2. 3. 4.					
	Head quarters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
NORTH DISTRICT																
North 1st						45		10							877	
South 1st	5	3				507	1	101			14	(1)		7	4302	
Jehanpore North 1st							11	101						101	980	
Damoh	8	10	11			176		170		1	10	0		109	0911	
Saugor								11			13			14	1,207	
Hoshangabad	5	0	1	1	3	0		140	11	(1)	3		1	4	0,210	
Sagar								11							1,173	
Wardha	5					0	1	1						0	1,108	
Total North District																
	11	7	11			700	10	111		1	3	7	1	1	1,061	
SOUTH DISTRICT																
Baran						67		4							11	
Batana															64	
Baran						17									101	
Bharatpur						30								10	11	
Baran						30									1,41	
South Baran						0									271	
Nagpur W. dist						1		1	2	11	3	4			1,571	
Baran						1									11	
South Baran						10									1,114	
Total South District																
						1		0		14		0	1	1	1,401	
WEST DISTRICT																
Nagpur						470									4,700	
Amravati	1					101									1,101	
Buldah						111				11	01	1	11	3	1,611	
Yestral						11									1,11	
Asola						1,101									1,101	
Amravati						47		111	111			11	1		1,111	
Betul						101		1,101	14	18	1	16	10		1,101	
Total West District																
	1	1	1	1	1	1,101	1	1,101	14	18	1	16	10	1	1,101	
TOTAL CURRENT EXPENDITURE																
	1	1	1	1	1	1,101	1	1,101	14	18	1	16	10	1	1,101	

Note.- A sum of Rs 45 which has been wrongly debited to buildings

Communications and Buildings during the year 1916-17

Expenditure during the year																
Buildings					Roads and paths										Other works	
Expenditure on					Brilliant feeling										Total expenditure incurred	Remarks
Head quarters	Rest houses	Houses for subordinate establishment	Others	Corrections	Local	Inter-district	Inter-provincial	Inter-territorial	Others	Length	Cost	Total length of paths or roads	Local expenditure incurred	Total expenditure incurred		
9 (a)	9 (b)	9 (c)	1	2	3	4	5	6	7	8	9	10	11	12	13	
Rs	Rs	Rs	R	L	M	C	M	C	M	C	Rs	M	Rs	R	Rs	
22		41	41	13		50		40				60	600	124	1,409	
27	877	606	21	2	4	5	12	131	1	40	117	1,136	177	3,218	(a) Cost of work done during 1915-16	
	23	1,009	5	11	1	30	11	147			60	413	386	1,004	(b) Includes Rs 32 for mule crossings	
	14	113			1	1	42	170			187	1,086	352	2,115	(c) Includes Rs 26 being pay of a mule	
	76	43	1	1	1	1					168	1,253	111	2,460	(d) Includes Rs 500 spent on repairs of 57 miles of District Council road on their behalf	
59	688	221				3			1	446	446	4,150	561	7,170	(e) Acquisition of two lands	
	704	1,009	101	1	32	72					102	712	207	2,957	(f) Includes Rs 757 for causeway	
108	16	444	1	0	0	57					96	558	1	1,153	(g) Includes Rs 71, pay of a mule	
															(h) Includes Rs 88 for mule	
1100	2,788	5,154	23	13	1	1,138	1	404	4	486	1,233	10,128	1,979	22,486	* Alignment	
															† Causeways,	
	328	1,411	11	12	15	2,371			32	328	221	2,399	558	4,069		
	78	431	27	31	122	172					222	677	125	2,333		
	91	211	178	490	11	561	24	10			275	588	80	2,148		
	516	914		1,224	1	132					317	1,823	221	3,312		
	284	94	18	2,20	11	2,123			18	71	633	2,194	594	4,695		
	80	749		93	34	121			44	89	378	1,304	321	2,474		
78	253	687		1,118	29	845	22	7			210	665	425	2,168		
7	70	1,006	17	2,156	24	1,055					204	1,055	570	2,781		
21	2,180	4,113	24	4,301	2,242	17,501	26	26	92	388	2,360	10,912	3,234	23,450		
107	928	2,061	1,311	1,006	449	2,721	300	612			742	3,333	410	10,809		
116	712	2,495		3,574	16	5,071					55	5,073	251	8,888		
119	180	360	150	848	100	2,148	30	10	113	203	306	1,366	225	2,439		
	71	825	56	948	14	749	140	3			155	78	752	123	1,893	
121	20	327		210	110	475					110	436	280	1,446		
125	1,044		20	2,716	708	1,926					508	40	2,025	205	4,965	
	124	975		1,150	309	2,069					309	2,069	91	3,612		
126	2,448	5,577	1,520	17,211	1,729	22,115	304	615	113	208	2,127	14,538	1,643	35,692		
127	2,254	20,697	2,061	30,791	1,142	32,782	428	1,145	209	1,074	5,180	35,931	6,856	79,622		

Major Waria Division instead of to Military Cross operations has been excluded by this office.

Abstract.

SOUTHERN CIRCLE.

Roads.		Buildings.		Other Works.	
New works	Rs.	New works	Rs.	New works	Rs.
Old works	14,095	Old works	4,787	Old works	1,234
Total	29,095	Total	14,082	Total	6,721

FORM No 13—Statement showing register of

Forest Division	New cases of the year																	
	Cases pending from previous year			Injury to forest by fire			Unauthorized felling			On the road			Other offences			Total		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NORTHERN CIRCLE.																		
Vari Mandir	1	1	1															
South-Manna Jabnaspore Nagpur	6	106	106		6	3	3	355	11	2	191	1	1	1		4	813	31
Tamoli	3	115	118	1	4	23	1	168	17	2	450		10			1	738	40
W. S.	111	49	60				9	1	205	56	481	1	2	3	1	1	86	67
Mohargabad Secni	1	1	4		1	1	1	79	4	1	1		1	1	1	1	171	3
Chandwara	1	1	1		1	9	11	182	1	23	355		1	1		3	646	17
Total Northern Circle	11	187	184	1	11	33	18	1,355	170	25	1,101		1	1	1	89	4,928	201
SOUTHERN CIRCLE.																		
Belaghat	100	100			6	4	1	277	56	1	104		1	1		1	736	60
Bhandara	1	1						137	4	1	17		1	1		1	340	27
Bilaspur	11	11			3	1		57			90		1	1		1	151	6
North Chanda	1	30	40				1	305	20	1	147		1	1		1	535	30
South Chanda	1	41	41					110	44		121		1	1		1	265	43
Nagpur Wardha	1	31	35	1		6		44			225		1	1		1	277	6
North-Rajpur		61	61	1	1		4	166		1	108		1	1		1	359	
South-Rajpur		9	11		5	5	4	225		0	270		1	1		1	539	5
Total Southern Circle	1	209	204	1	19	34	10	1,450	131	28	1,101		1	1	1	20	5,398	106
BENAR CIRCLE.																		
Malghat	1	15	15		12	3	1	72		1	61		1	1		1	181	3
Amraoti	3	58	61		12	3	1	230		1	564		1	1		1	554	3
Buldana	1	1	1															
Yectmal	1	1	1															
Akola	1	1	1															
Nimar	1	1	1															
Betul	1	1	1															
Total Benar Circle	1	15	15		12	3	1	72		1	61		1	1		1	181	3
GRAND TOTAL CENTRAL PROVINCES AND BENAR	30	1,483	1,523	12	79	109	31	5,004	400	101	7,444	1	1	1	1	108	13,974	314

N B—A means pending cases disposed of under B means cases disposed of under C means

Breaches of Forest Rules during the year 1916-17

Total cases		Disposed of during the year																		Case pending at close of year			Remarks
		Attals						Total						Cases									
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C				
38	39	40	38	39	40	38	39	40	38	39	40	38	39	40	38	39	40	41					
1	611	0	1				34	1				2	573	573	3	1 654	1 657		38	38	* Cases pending under B at the close of 1915-16 was shown 4, one of these was taken into court and acquitted in July 1916 hence shown now under A		
4	319	74	15									4	786	790	50	2,916	2 27		133	133	1 Excludes 6 cases latterly withdrawn and compounded		
10	618											1	560	577	72	1,891	1 003		54	54			
17	167	40	1 214									7	831	813	11	2,513	2,354		136	136	2 Excludes one case latterly withdrawn and compounded.		
114	315	07										12	61	74	25	1,898	1 919		73	77	3 Four cases latterly withdrawn and compounded.		
10	771	5	1									1	153	161	18	187	399		20	23			
10109	598	157										10	573	589	19	1,326	1 345		25	25	(a) Out of 68 cases 7 cases were latterly cancelled		
18	240	1	177									30	173	214	97	1,045	1,143		165	165	a) Two cases latterly withdrawn and compounded (b) Out of 342 cases 40 were written off latterly		
316	5 555	107	1 312									105	4,913	5,018	293	13 058	13,351		642	655			
9	808	60										7	771	778	14	1,822	1,836		67	67			
3	347	17	971									3	280	291	6	990	986		52	54			
1	159	8	278										152	152		427	427		10	10			
4	374	24	707									4	500	513	5	1,898	1,903		05	05			
1	607	43	103									2	608	604	4	1,746	1750		4	4			
6	310	6										5	275	280	11	934	935		35	36	(a) 2 cases withdrawn (b) 3 cases withdrawn		
10	422											16	358	368	26	868	894		64	64			
33	541		168									18	516	534	44	1,630	1,671		25	29			
55	3 795	106	4,001									48	1,473	1,521	110	10,305	10,408		322	329			
6	106	3	103									4	185	189	6	414	420		11	11			
7	618	6	624									6	539	545	18	3,008	3,014		73	74	(a) Written off.		
9	495	4	500									8	657	662	17	2,375	2,398		38	42			
1	143	15	158									8	1,052	1,070	13	5,141	5,184		181	181			
7	583	15	598									19	663	666	31	3,136	3,207		40	40			
10	778	20	798									19	608	627	37	1,745	1,773		107	107			
9	383	20	403									1	353	360	4	857	861						
17	5,400	157	5,557									9	4,857	5 009	110	16 711	16 821		450	454			
204	14,757	584	15,341									113	23,343	23 428	512	40,054	40,577		1,414	1,432			

Report of the Indian Forest Act, 1878.

ANNUAL FORM NO. 14—[PRESCRIBED].—Area of Forest Tracts protected from Fire during the year 1916-17

Division	Forest tracts	Year in which protection commenced	Area protected during 1915-16	Area attempted to be protected	Failures	Area actually protected	Cost	Remarks
1	2	3	4	5	6	7	8	9
			Acres	Acres	Acres	Acres	R	
NORTHERN CIRCLE								
<i>States at all times protected area.</i>								
North-Mandla.	Mandla Range		16,507	18,231	350	17,881	384	1 Fire
	Sarnatal		787	787		787	72	
	Dianwah		48,359	48,404	15	48,389	1,201	1 Fire
	Total for Division		65,653	67,422	365	66,057	1,657	Failure 54 per cent.
South-Mandla	Jajmandal Range		35,982	35,984	66	35,918	64	1 Fire
	Banjar		62,337	62,510	104	62,406	1,211	
	Motinala		81,054	86,114	278	85,836	1,612	5 "
	Karanja		68,629	68,629	105	68,524	1,015	"
	Total for Division		248,002	253,239	555	249,866	4,042	Failure 21 per cent.
Jubbulpore-Narsinghpur.	Munwara Range		37,373	38,865		38,865	974	
	Sihora		9,811	10,235	1,104	9,131	492	1 Fire
	Jubbulpore		30,773	3,6858	21	30,757	803	"
	Barji		4,703	4,770	12	4,688	270	"
	Bachar		26,281	26,369	450	25,919	499	"
	Richai		0,175	6,248	327	5,921	180	"
	Khairi		40,495	40,513		40,513	346	
	Total for Division		161,611	163,858	1,944	161,914	3,650	Failure 12 per cent.
	Fatehpore Range		98,315	121,584	1,023	120,561	1,943	1 Fire
Damoh	Damoh		93,373	106,586	2,996	103,590	1,883	9 "
	Tendukhera		152,862	177,828	9,452	168,376	2,412	21 "
	Singrapur		77,261	100,443	2,820	97,623	1,540	9 "
	Total for Division		481,811	506,741	16,291	490,450	7,778	Failure 51 per cent.
Saugor	Kauri Range		15,514	13,465	1,454	12,011	442	3 Fires.
	Saugor		33,352	20,336	1,648	18,688	711	4 "
	Banda		26,350	17,413	233	17,180	464	1 "
	Rehli		53,893	17,311	302	17,009	304	1 "
	Deori		28,026	21,007	106	20,901	545	1 "
	Total for Division		157,335	89,532	3,743	85,789	2,466	Failure 42 per cent.
Hoshangabad.	Bori Range		167,475	170,638		170,638	1,575	
	Sohagpur		59,646	59,646		59,646	1,840	
	Hoshangabad		53,881	53,834	4	53,830	1,313	1 Fire.
	Seoni		81,690	81,812	60	81,752	1,180	"
	Rahatgaon		94,843	94,843		94,843	1,040	
	Magardha		86,255	86,287		86,287	550	
	Total for Division		543,790	547,060	64	546,096	7,498	Failure 101 per cent.

ANNUAL FORM NO 14 — [PRESCRIBED] — *Area of Forest Tracts protected from Fire during the year 1916-17 — (Contd.)*

Division	Sub-division	Village	Area actually protected	Area actually protected	Failure	Area actually protected	Cost	Remarks
			1	2	3	4	5	6
Sagar	Sagar	Kan...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
	
		Ch...	...	...	...	...	...	...
		D...	...	...	...	...	...	...
		N...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		F...	...	...	...	...	...	...
		A...	...	...	...	...	...	...
		S...	...	...	...	...	...	...
Chirdwar	Chirdwar	S...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		D...	...	...	...	...	...	...
		F...	...	...	...	...	...	...
		A...	...	...	...	...	...	...
		S...	...	...	...	...	...	...
		S...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		D...	...	...	...	...	...	...
		F...	...	...	...	...	...	...
Majgaon	Majgaon	S...	...	...	...	...	...	...
		P...	...	...	...	...	...	...
		R...	...	...	...	...	...	...
		D...	...	...	...	...	...	...
		E...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
		P...	...	...	...	...	...	...
Bardhaman	Bardhaman	W...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
		P...	...	...	...	...	...	...
		W...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
		P...	...	...	...	...	...	...
Bardhaman	Bardhaman	W...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
		P...	...	...	...	...	...	...
		W...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
		P...	...	...	...	...	...	...
Bardhaman	Bardhaman	W...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
		P...	...	...	...	...	...	...
		W...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
		P...	...	...	...	...	...	...
Bardhaman	Bardhaman	W...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
		P...	...	...	...	...	...	...
		W...	...	...	...	...	...	...
		T...	...	...	...	...	...	...
		B...	...	...	...	...	...	...
		G...	...	...	...	...	...	...
		P...	...	...	...	...	...	...

ANNUAL FORM NO. 14 —[PRESCRIBED.]—Area of Forest Tracts protected from Fire during the year 1916-17 —(Contd.)

Division.	Forest tracts	Year in which protection commenced.	Area protected during 19 5-16	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks
1	2	3	4	5	6	7	8	9
	SOUTHERN CIRCLE (Contd) Systematically fire-protected areas —(Contd)		Acre.	Acres.	Acres.	Acres.	Rs.	
South-Chanda.	Alapilli	1873	72 946	72 946	...	72 946	2,187	
	Ghot	1857	3,182	3, 82	78	3,101	19	1 Fire.
	Markhanda	1891	76,844	77,565	...	77,565	1,156	
	Sironcha	(a) 897 (b) 1907	97,749	97,901	...	97,901	680	(a) Partial protection (b) Protection
	Dhaba	1889	8,260	8,260	..	8,260	306	
	Total	...	258,981	259,854	78	259,776	4,348	Failure .03 per cent
Nagpur-Wardha.	East Pench	1875	103,927	104,372	...	104,372	1,210	
	West Pench	1878	38 295	39,606	.	39,606	765	
	Kondhali	1894	37,670	38,864	1,312	37,552	668	2 Fires.
	Umrer	1895	38,549	40,740	661	40,079	752	3 "
	Hingni	1894	42,280	42,280	...	42,280	870	
	Arvi	1880	50,375	50,536	348	50,188	707	2 "
	Total	...	311,0 6	316,398	2,321	314,077	4,973	Failure .73 per cent
North-Raipur.	Loan	1889	50,547	54,146	18	54,128	1,452	1 Fire.
	Mahasamund	1889	31 076	31 419	50	31,369	1,062	2 "
	Sonakhani	1870	66,235	67,664	100	67,564	1,002	1 "
	Bilari Ghugwa	1900	1,606	1,606	...	1,606	90	
	Total	...	149,464	154,835	168	154,667	3,606	Failure .11 per cent.
South-Raipur...	Dhamtari	1896	62,475	54,114	27	54,147	1,012	1 Fire.
	Singpur	1896	95,405	81,993	2,459	79,534	1,054	5 "
	Balod	1896	69,957	67 859	599	67,260	753	1 "
	North-Sihawa	1850	105,874	113,275	1,901	111,374	800	2 "
	South-Sihawa	1903	132,053	131,017	...	131,0 7	1 278	
	Total	...	465,764	448,318	4,986	443,332	4,897	Failure .11 per cent.
	TOTAL SOUTHERN CIRCLE.	...	2,535,519	2,460,204	13,583	2,446,621	37,015	Protected 99.45 per cent.
Malgat	BERAR CIRCLE.							
	Sembadoh Range	...	77 661	77,696	...	77,696		
	Chaurakund	...	63,877	63,877	...	63,877		
	Butrum	1872	81,992	81,992	8	81,984		2 Fires.
	Khandu	...	89,921	89,921	2	89,919		1 Fire.
	Gugamal	1877	151,961	151,961	...	151,961		
	Chikalda	1890	34 215	34,242	...	34,242		
	Tapti Reserve	1911	26,862	26,862	...	26,862	6,822	
	Chitthi	...	7,504	...	...	...
	Chikli	...	8,535	8,535	...	8,535		Area early burnt.
	Bod	1913	2,505	2,505	...	2,505		
	Morha	...	18,586	18,586	3	18,583		1 Fire.
	Khirpauli	...	32,191	...	...	...		Area early burnt.
	Jhaondeo Reserve	1914	10,091	11,003	...	11,003		
	Total	...	607,802	607,583	13	607,570		Percentage of fires 0.002

ANNUAL FORM NO 14 - [PRESCRIBED].—Area of Forest Tracts protected from Fire during the year 1916-17 —(Concl'd.)

Division.	Forest tracts.	Year in which protection commenced	Area protected during 1915-16	Area attempted to be protected	Failures.	Area actually protected.	Cost.	Remarks
1	2	3	4	5	6	7	8	9
Amraoti	BERAR CIRCLE —(Concl'd)—		Acres	Acres.	Acres	Acres	Rs.	
	Amraoti Range	1881	17,734	18,352	256	18,126	378	3 Fires.
	Morsi "	1859	19,461	19,511	..	19,511	301	
	Total		37,195	37,863	256	37,637	679	Percentage of success 99. + Rs 4 spent on putting out burning unprotected areas.
Baldana	Jalga Range	1801	13,292	34,492	375	34,117	604	1 Fire.
	Chilhi "	1880	68,764	68,764	..	68,764	515	
	Purna "	1880	21,553	21,532	52	21,480	99	1 Fire.
	Mehror "	1881	28,045	28,053	150	28,803	136	2 Fires.
	Total	..	132,554	153,741	577	153,164	1,334	Percentage of success 99.
Yeshmal	Yeshmal Range	..	45,854	34,959	200	36,759	..	1 Fire 12,130 acres early burnt.
	Darha "	1885	37,651	41,045	..	41,045	1	300 " " "
	Kelapur "	1881	59,112	57,747	300	56,947	..	1 Fire 1,900 " " "
	Wan "	1893	24,589	26,661	81	26,580	50	2 Fires 1,200 " " "
	Punad "	1890	54,118	57,182	710	56,472	110	2 Fires.
	Kinwat "	1881	114,955	112,205	..	112,295	89	3,000 acres early burnt.
	Total	..	317,309	331,599	1,291	330,098	250	Percentage of success 99.
Bhopal	Pangra Range	1882	44,888	44,888	25	44,863	640	4 Fires
	Merna "	1891	21,831	21,831	120	21,711	224	2 "
	Balapur "	..	34,034	34,924	100	34,824	281	2 "
	Muchzapur "	1912	25	25	25	..	10	1 Fire.
	Total	..	101,668	101,668	270	101,398	1,155	Percentage of success 99.
Bhind	Khandwa Range	1877	42,430	42,897	890	42,007	650	1 Fire.
	Panasa "	1875	93,438	93,698	1	93,697	1,156	1 "
	Chandigarh "	1878	80,567	88,149	..	88,149	1,235	
	Singaji "	1893	43,509	44,170	140	44,030	922	2 Fires.
	Kalibhit "	1874	181,307	184,465	..	184,465	1,031	Area early burnt (174,801 acres)
	Pipli "	1890	50,122	56,415	15,177	41,238	899	3 Fires.
	Chandni "	..	57,925	24,455	671	23,784	354	2 " area early burnt (33,479 acres)
	Burhanpur "	1893	9,229	..	..	..	122	Area " " (5,429 ")
	Total	..	558,577	416,230	16,882	399,348	6,367	Percentage of success 99.
	Raipur Range	1880	57,290	53,840	17	53,823	615	1 Fire.
Bhind	Bhawargarh "	..	76,857	79,902	10	79,892	762	2 "
	Sionigarh "	1875	79,485	69,396	410	68,986	966	3 Fires. Area early burnt (10,029 acres)
	Tapti "	..	111,985	77,779	..	77,779	1,871	Area early burnt (44,706)
	Dabka "	1897	20,370	Early burnt	..	..	..	" " "
	Sawalmendha "	1898	4,151	..	..	..	62	" " "
	Asir "	1901	..	83,480	..	83,480	677	
	Total	..	363,658	303,897	422	303,475	4,985	Percentage of success 99.
	TOTAL BERAR CIRCLE	..	1,577,659	1,673,471	19,716	1,553,755	20,485	Percentage of success 99.
	TOTAL CENTRAL PROVINCES AND BERAR	..	5,000,000	5,000,000	5,000	5,000,000	92,500	

(C) Fires beginning inside the

Division & Circle	(A) Fires caused by accident or through carelessness in burning fire-lines.		(B) Fires entering the forests by crossing external fire-traces.		Owing to carelessness or accident							
					By workmen employed in the forests, by purchasers of forest-produce and by labourers.		By villagers, travellers, etc., passing through the forests.		By Railway engines.		By lightning or by fire balloons.	
	No of fires.	Area burnt, in acres.	No of fires.	Area burnt, in acres.	No of fires.	Area burnt, in acres.	No of fires.	Area burnt, in acres.	No of fires.	Area burnt, in acres.	No of fires.	Area burnt, in acres.
	2	3	4	5	6	7	8	9	10	11	12	13
NORTHERN CIRCLE.												
North-Mandla	...	...	1	350	...	...	1	15	...	...	...	...
South-Mandla	2	65	2	216	...	...	5	209	...	...	1	...
Jubbulpore-Narsinghpur	3	741	...	...	...	...	...	...	...	...	...	...
Damoh	18	3,830	7	4,911	...	...	2	312	...	...	...	...
Saugor	2	248	1	106	...	...	...	...	1	276	...	...
Hoshangabad	1	60	...	...	...	...	...	...	...	...	...	...
Seoni	...	...	...	...	...	...	...	...	...	...	...	...
Chhindwara	...	...	...	...	...	...	...	...	1	15	...	...
Total Northern Circle	26	4,944	11	5,583	...	...	8	703	2	992	1	...
SOUTHERN CIRCLE.												
Balaghat	...	...	...	...	1	260	...	...	...	...	...	...
Bhandara	...	...	1	645	...	...	2	180	...	...	...	...
Bilaspur	...	...	...	...	1	23	...	...	...	...	...	...
North-Chanda	2	19	...	...	...	...	...	...	1	725	...	...
South-Chanda	...	...	...	...	...	...	1	78	...	...	...	...
Nagpur-Wardha	...	...	2	1,295	...	...	4	430	...	...	...	...
North-Raipur	1	18	1	25	...	...	...	...	...	...	...	...
South-Raipur	1	901	...	...	...	...	2	626	...	...	...	...
Total Southern Circle	3	938	4	1,965	2	283	9	1,314	1	925	...	...
BERAR CIRCLE.												
Meigbat	1	7	...	...	...	...	3	6	...	...	...	...
Amraoti	...	...	...	...	...	...	...	...	...	...	...	...
Buldana	...	...	1	375	...	...	...	...	...	...	...	...
Yestmal	...	...	2	950	...	...	1	60	...	...	1	58
Akrai	...	...	...	...	1	2	3	207	...	...	...	...
Nimar	1	1	1	145	...	...	5	1,286	...	...	...	...
Betul	4	420	...	...	...	...	...	...	1	7	...	...
Total Berar Circle	6	428	4	1,470	1	2	12	1,559	1	7	2	14,835
TOTAL CENTRAL PROVINCES AND BERAR.	35	6,310	19	9,018	3	285	29	3,435	4	3,224	2	14,884

Forest Fires, 1916-17.

Reserve or fire-traced area.

By intention of burning											
In order to obtain new grass.		In order to turn out game or to clear land.		Maliciously fired		Total.		Causes unknown.		Total (A), (B) and (C).	
No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.
14	15	16	17	18	19	20	21	22	23	24	25
...	1	15	...	...	2	365
...	6	211	2	61	12	553
...	15	1	15	4	1,188	8	1,944
...	185	3	1,027	18	6,523	46	16,291
...	1	276	8	3,113	12	3,743
...	1	4	2	64
...	2	847	2	847
...	1	16	9	1,785	10	1,801
...	300	13	1,560	44	13,521	94	25,608
...	13	2	273	4	418	6	691
...	2	180	2	43	5	868
...	1	23	6	3,504	7	3,527
...	1	925	...	...	2	944
...	1	78	...	...	1	78
...	4	430	1	596	7	2,321
...	100	...	...	1	100	1	25	4	168
...	...	1	251	1	1,650	4	2,527	4	1,558	9	4,086
...	...	2	351	2	1,663	16	4,536	17	6,144	41	13,583
...	3	6	...	...	4	13
...	3	256	3	256
...	1	32	2	150	4	577
...	1	60	3	281	6	1,291
...	4	209	5	61	9	270
...	6	16,066	1	670	9	16,882
...	1	7	...	...	5	427
...	16	16,400	14	1,418	40	19,716
...	...	3	351	4	2,161	45	22,406	75	21,083	175	58,907

FORM NO. 16.—Area closed and open to grazing during the year 1916-17.

Division.	Area in square miles.					
	Closed to all animals.		Open to grazing.			
			Of all animals		Of all animals except browsers (camels, sheep and goats.)	
	Whole year.	Part of year.	Whole year	Part of year.	Whole year.	Part of year
1	2	3	4	5	6	7
NORTHERN CIRCLE.						
	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.
North-Mandla	24	...	611	...	151	...
South-Mandla	257	...	904	...	...	...
Jubbulpore-Narsinghpur	77	2	2	...	516	...
Damoh	69	...	723	...	...	...
Saugor	162	...	539	...	48	...
Hoshangabad	145	...	306	...	...	...
Seoni	107	...	...	...	706	...
Chhindwara	105	...	...	...	559	...
Total Northern Circle	939	2	3,585	...	1,980	...
SOUTHERN CIRCLE.						
<i>A Class.</i>						
Balaghat	243	...	63	...	673	...
Bhandara	162	...	...	...	362	...
Bilaspur	66	...	...	...	479	...
North-Chanda	379	...	42	...	691	...
South-Chanda	167	...	24	...	759	...
Nagpur-Wardha	214	...	...	...	501	...
North-Raipur	211	...	304	...	562	...
South-Raipur	155	276	...	...	...	...
<i>B Class.</i>						
Bhandara	...	...	...	...	9	...
North-Chanda	...	...	272	...	...	...
South-Chanda	...	...	335	...	...	...
Total Southern Circle	1,597	276	1,040	...	4,036	...
BERAR CIRCLE.						
STATE FORESTS, CLASS A:						
Melghat	205	...	338	...	632	...
Amraoti	12	26	...	...	39	...
Buldana	37	4	...	...	210	...
Yotmal	24	86	...	...	507	...
Akola	35	17	...	...	145	...
Total	313	133	338	...	1,533	...
STATE FORESTS, CLASS C.						
Amraoti	...	...	146	...	...	...
Buldana	...	...	179	...	...	...
Yotmal	...	...	574	...	...	...
Akola	...	...	126	...	...	...
Total	...	...	1,025	...	...	...
Total for Berar Divisions	313	133	1,363	...	1,533	...
<i>Class A.</i>						
Nimar	171	...	...	...	1,515	...
Betul	86	...	...	...	1,094	...
Total	257	...	...	...	2,609	...
<i>Class B-I.</i>						
Betul	...	...	9	...	...	...
Total for Nimar and Betul	257	...	9	...	2,609	...
GRAND TOTAL						
Total Central Provinces and Berar	3,106	411	5,997	...	4,142	...

FORM NO. 17

FORM NO. 17.—Return of grazing in the

Division.	Grazing on payment. Number of animals												
	At full rates.						At privileged rates (including ordinary rates)						
	Buffaloes.	Cows and bullocks	Goats and sheep.	Ca-mels.	Other ani-mals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep	Ca-mels.	Other ani-mals.	Fees received.	
												Actual.	Value at full rates.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
						Rs.						Rs.	Rs.
NORTHERN CIRCLE.													
North Mandla ...	12,174	25,465	2,727	...	200	26,066	8,365	83,617	1,146	...	...	14,662	50,388
South Mandla ...	11,496	30,344	1,879	...	168	27,154	6,932	74,357	742	...	...	12,843	44,240
Jubbulpore-Narsinghpur ...	3,776	12,204	544	...	543	14,186	5,045	68,201	.	...	...	14,575	54,558
Damoh ...	20,685	31,346	19,694	..	17	44,342	8,750	111,886	...	...	...	24,640	78,679
Saugor ...	21,817	29,885	6,572	...	54	41,691	7,881	109,172	...	...	...	22,137	76,173
Hoshangabad ..	3,333	10,462	1,333	...	105	13,507	1,222	40,297	11	...	...	7,127	27,632
Seoni ..	15,069	37,131	...	...	22	38,554	7,395	117,869	...	...	..	27,505	82,118
Chhindwara ...	6,855	28,312	576	.	178	42,344	2,826	92,670	...	...	...	22,841	98,322
Total ...	95,205	205,349	33,325	...	1,287	2,47,844	48,416	698,069	1,899	...	...	1,46,330	5,12,119
													Note.—Annual Transit License ...
													Monthly do ...
SOUTHERN CIRCLE.													
Balaghat ...	5,931	21,330	618	...	218	23,878	2,672	49,613	...	...	...	9,917	41,218
Bhandara ...	1,068	4,149	...	...	...	6,285	2,577	49,818	...	...	...	10,370	54,972
Bilaspur ...	979	2,200	21	...	37	2,446	2,022	17,123	3	...	2	3,888	18,839
North Chanda ...	5,678	19,763	49,717	...	...	25,824	8,767	137,604	...	...	...	26,990	116,383
South Chanda ...	5,995	11,222	35,661	...	...	22,367	5,960	63,899	...	...	...	14,043	62,303
Nagpur-Wardha ...	6,201	15,410	...	...	...	25,335	464	67,479	...	...	...	14,207	68,407
North Raipur ...	3,772	12,504	...	...	...	16,286	3,702	28,969	27	...	6	5,980	18,194
South Raipur ..	1,722	11,158	...	...	2	7,302	5,284	57,289	...	...	...	11,349	33,918
Total ...	29,263	97,742	79,017	...	257	1,26,397	31,456	471,134	36	...	8	96,721	4,14,402

State Forests during the years 1916-17

By right of Settlement						During pleasure of Government, or otherwise than under Settlement						Total value of fees at full rates.	Grand Total of value at full rates.
Butcher's	Cows and bullock	Goats and sheep	Camels	Other animals	Value of fees at full rates	Butcher's	Cows and bullock	Goats and sheep	Camels	Other animals	Value of fees at full rates	Total value of fees at full rates.	Grand Total of value at full rates.
15	16	17	18	19	20	21	22	23	24	25	26	27	28
					Rs.						Rs.	Rs.	Rs.
							2,777				1,389	1,389	77,843
						38	5,045				2,560	2,560	73,963
							461				296	296	69,040
							59				37	37	1,23,058
													1,17,864
						189	7,859	95			5,308	5,308	46,447
							504				315	315	1,20,987
													1,40,666
						217	16,705	95			9,905	9,905	7,69,868
70	20,635	1,161			1,526	17,796							
400	14,853	87,407			2,024	13,579							
					31,715								
							4,644				3,481	3,481	68,577
													61,257
													21,680
						31	928	16			601	601	1,47,187
						151	804	21			800	800	85,510
						113	1,093	31			640	640	95,004
						9	314				332	332	20,567
						100	2,375				1,287	1,287	42,135
						18	1,805				915	915	5,50,947
						205	1,687	49			8,146	8,146	

FORM NO. 17.—Return of Grazing in the

Divis on.	Grazing on payment Number of animals												
	At full rates						At privileged rate (including ordinary rates)						
	Buffaloes	Cows and bullocks	Goats and sheep	Camels	Other animals	Fees received	Bullocks	Cows and bullocks	Goats and sheep	Camels	Other animals	Fees received	
												Actual	Value at full rates
1	2	3	4	5	6	7	8	9	10	11	12	13	14
BERAR CIRCLE													
						Rs.						Rs.	Rs.
												STATE FORESTS,	
Melghat	1,747	15,137	889	.	9	17,919	1,946	9,268	1,582		366	6,048	12,691
Amroha	891	16,381	...			27,494		...	...	...	...		...
Buldana	1,599	54,863	...	.	17	46,631	...	...	.				.
Yeatmal	4,213	70,017	...	...	...	72,708	...	51,446	.			34,188	53,605
Akola	579	57,831				24,921		.	...	.	...	.	...
Total	9,029	214,229	889	..	26	1,89,673	1,946	60,714	1,582		266	40,276	66,296
												STATE FORESTS	
Amroha	21,924	37,952	59,934	13	373	48,891	.	41,364	.	.	.	10,026	20,682
Buldana	16,649	28,647	97,285	2	285	42,898	.	36,167	...	...	...	6,781	18,084
Yeatmal	67,068	149,853	140,377	43	1,483	1,46,115		104,602	...	...	...	19,612	52,302
Akola	15,855	61,112	37,245	...	161	49,098		59,120	...	...	...	11,035	29,360
Total	121,516	277,564	334,841	58	2,302	2,87,002		241,253			...	47,504	1,21,288
Total excluding Nimar and Betul	130,545	491,793	335,730	58	2,328	4,76,675	1,946	301,967	1,582	...	266	87,740	1,46,924
												STATE FORESTS,	
Nimar	14,683	23,715			46	53,717	11,678	96,055	...	...	3	31,214	1,19,414
Betul	11,042	30,266	...		71	42,242	2,510	64,829	...	...	85	10,481	52,451
Total	25,725	53,981	.	.	117	95,959	14,188	160,884	...	.	88	41,695	1,71,865
												STATE FORESTS,	
Betul	...	..	202	..	.	38	...	..	87	..	.	11	16
Total	...	.	202	...		38	...		87	...		11	6
Total Nimar and Betul	25,725	53,981	202	..	117	95,997	14,188	160,884	87	...	88	41,706	1,71,881
Grand Total	156,270	545,714	335,932	58	2,445	5,72,672	16,134	462,851	1,669	...	354	1,29,446	3,58,805
TOTAL CENTRAL PROVINCES AND BERAR.	220,738	848,805	448,274	58	3,989	9,48,913	96,008	1,632,714	3,868	...	352	3,72,511	12,85,328

NOTE.—The following cattle

Transit cattle
Nomadic sheep and goats
Fees recovered for grazing of buffaloes in Ryotwari waste Melghat, Appendix I, paragraph 26, Working Plan.
Salt tax

Tal

State Forests Bureau, March 1917 - (Contd.)

[illegible]

Amount.	
Rs.	
7.545	
7.545	
3.150	

FORM NO. 17.—Return of Grazing in the

Division.	Grazing on payment						Number of animals						
	At full rates						At privileged rates (including ordinary rates)						
	Buffaloes	Cows and bullocks	Goats and heep	Camels	Other animals	Fees received	Bullocks	Cows and buffaloes	Goats and heep	Camels	Other animals	Fees received	
												Actual	Value at full rates
1	2	3	4	5	6	7	8	9	10	11	12	13	14
BERAR CIRCLE						Rs.						Rs.	Rs.
STATE FORESTS,													
Melghat	1,747	15,137	889	.	9	17,919	1,946	9,268	1,582		266	6,048	12,691
Amraoti	891	16,381	...	.		27,494		...	...		...		...
Buldana	1,599	54,863	...	.	17	46,631		...	...		
Yeotmal	4,213	70,017	...	...	...	72,708		51,446	.	.		34,188	53,605
Akola	579	57,831				24,921		.	.	.	...		...
Total	9,029	214,220	889	..	26	1,89,673	1,946	60,714	1,582	.	266	40,237	66,296
STATE FORESTS													
Amraoti	21,924	37,952	59,934	13	373	48,891	.	41,361	..	.		10,026	20,682
Buldana	16,649	28,647	97,285	2	285	42,898	.	36,167	...	...		6,781	18,084
Yeotmal	67,088	149,853	140,377	43	1,493	1,46,115		104,602	.	...		19,612	52,302
Akola	15,855	61,112	37,245	...	161	49,098		59,120		...	..	11,085	29,560
Total	121,516	277,564	334,841	58	2,302	2,87,002	.	241,251			..	47,504	1,20,288
Total excluding Nimar and Betul	130,545	491,793	335,730	58	2,328	4,76,675	1,946	301,967	1,582	..	266	87,740	1,46,921
STATE FORESTS,													
Nimar	14,683	23,715			46	53,717	11,678	96,055	..	.	3	31,214	1,19,414
Betul	11,042	30,206	...		71	42,242	2,510	64,829	..	.	85	10,481	52,451
Total	25,725	53,921	...	.	117	95,959	14,188	160,884	.	.	88	41,695	1,71,865
STATE FORESTS,													
Betul	...	...	202	...	..	38	...	...	87	.		11	16
Total	...	.	202	...		38	...	.	87	...		11	6
Total Nimar and Betul	25,725	53,921	202	...	117	95,997	14,188	160,884	87	...	88	41,706	1,71,881
Grand Total	156,270	545,714	335,932	58	2,445	5,72,672	16,134	462,851	1,669	..	354	1,29,446	3,58,805
TOTAL CENTRAL PROVINCES AND BERAR.	280,738	848,805	448,274	58	3,989	9,48,913	96,008	1,632,714	3,868	...	362	3,72,511	11,85,328

Note.—The following cattle

Transit cattle
Nomadic sheep and goats
Fees recovered for grazing of buffaloes
in Ryotwari waste Melghat, Appendix I, paragraph 26, Working Plan.
Sur-tax

FORM

Division.

I

Damoh

Saugor

Seoni

Saugor

Saugor

Seoni

Balaghat

North-Chanda

South-Kalpur

Nagpur-Wardha

NO. 18.—[PRESCRIBED]—*Artificial reproduction during the Forest year 1916-17*

Kind of plantation.	Area in acres				Expenditure during the year		Total expenditure from commencement		Revenue during the year	Total revenue from date of creation of plantation	Remarks.
	On 1st July 1916	Added during the year	Excluded during the year	Area on 1st July 1917	Creation	Upkeep.	Creation	Upkeep.			
2	3	4	5	6	7	8	9	10	11	12	13
NORTHERN CIRCLE											
REGULAR PLANTATIONS.											
Digging and sowing bamboos in certain blocks.	28	.	.	28	23	5	51	46	...	...
Bamboo plantations, maintenance and watering nursery and digging pits for plantation.	101	.	.	101	.	37	2,039	101	...	...
Teak	362	...	...	362	...	...	227	192	360	620	
Sandal plantations	3	...	...	3	...	...	...	...	...	...
OTHER FORMS OF ARTIFICIAL REPRODUCTION.											
Weeding Anjan plantation in Mohli block.	90	.	...	90	.	...	81	...	...	...	These entries were wrongly shown under "Regular plantations" in 1915-16.
Watering and fencing bamboo seedlings in Mundra and Jalandhar Felling Series	1	.	...	1	...	...	17	86	...	...
Experimental bamboo plantings in Jalandhar felling series.	30	.	...	30	...	...	14	...	...	...	This entry was wrongly shown under "Regular plantations" in 1915-16.
Thinning in existing teak plantation	...	.	...	...	.	20	...	30	...	...	Columns 3-6 cannot be filled in as the operations are not in particular areas.
Filling up gaps in existing teak plantation.	.	.	...	.	.	1	...	2	...	...
Fencing compound of teak plantation	.	.	...	...	...	...	...	15	...	...
Sowing seeds of bamboos	...	...	...	...	...	...	...	5	...	...
Total Northern Circle	617	.	...	617	75	63	2,482	791	160	620	
SOUTHERN CIRCLE.											
REGULAR.											
Sowings of Chir Pine	10	.	...	10	...	52	19	143	...	...	Rs. 48 were also spent towards the cost and carriage of the seed during the year.
Do. of Pinus Khasyan	...	6	...	6	27	...	27	...	...	...
Do. of Sal	.	10	...	10	29	...	20	...	...	...
Sandal plantation	156	...	...	156	...	...	...	39	...	...
Bamboo plantation	7	.	...	7	31	27	22	73	...	...
Teak plantation	23	...	...	23	12	5	59	5	...	...
Total Regular Plantations	196	16	...	212	99	114	306	260	...	...
Other forms of Artificial Reproduction not included in Sub-section (a)											
Sowings of sandal	106	38	...	144	44	...	24	...	...	...	(a) included under sowings of teak and bamboo in New Year's form.
Do. of teak, etc., and bamboos	154	116	...	270	219	24	2,214	271	...	...
Total other forms of artificial reproduction not included in Sub-section (a)	106	141	...	201	243	24	2,238	271	...	...
Total Southern Circle	302	157	...	459	349	138	2,444	531	...	...

and seedlings, seedlings, thinning, filling up blocks, etc. Cultural operations are shown in the memorandum appended to Chapter 18, page 18.

FORM NO. 18.—[PRESCRIBED]—Artificial reproduction during the Forest year 1916-17.—(Concl.)

Division		Kind of sowing		Area in acres			Expenditure during the year		Total expenditure from commencement		Revenue during the year.	Total revenue from date of creation of plantation.	Remarks.
				Area created during the year.	Area included during the year.	Area on 30th June 1917.	Creation.	Up-keep.	Creation.	Up-keep.			
1	2	3	4	5	6	7	8	9	10	11	12	13	
PERAK (Contd.)													
Reserve Forests.													
High Forest	Bum on plantations (see 10)	39	2	20		9	185	412	1,487	607	7,104		
	Khadu	7	1	8		8	59	12	216	...	...
	Indra	10	4	14		10	268	14	427	...	...
	Chunahker	2	1	3		51	67	107	178	...	...
	Reserve Forests	47	8	55		78	579	545	3,308	607	7,104		
LAUMINGA													
Small Forest	Bum on waste	1,421	505	278	1,628			1,019	469	...	...
	Mace, dieneva, etc.	464	140	344	680			3,947	304	...	...
	Bum sowings	1,420	205	...	2,125	(a) 358	(b) 1,742	(b) 1,742	...	...	...
	Teak sowings	...	180	...	180	...	...	...	...	...	...
	Bum sowings	1,584	204	...	2,128	...	50	1,445	135	...	...	554
	Total Forests	1,570	1,538	1,603	6,417	...	418	8,132	3,694	...	...	554
OTHER FORMS OF ARTIFICIAL REPRODUCTION.													
Small Forest	Miscellaneous	...	5	6	...	26	31	86	581	...	...
	Bum sowings	454	...	457	...	...	...	879	635	...	...
	Experimental sowings	4	...	18	...	...	...	432	86	...	...
	Teak sowings	445	...	445	...	...	...	301	401	...	...
	Nom sowings	3	...	3	...	...	...	51	23	...	...
	Asian sowings	...	...	...	...	...	...	111	37	...	...
	Bamboo (Mace, dieneva, etc.) sowings	...	...	...	...	...	...	250	250	...	...
	Bamboo plantings	...	...	...	...	...	...	...	...	...	...
	Sandal seed sowings	1,199	...	1,199	...	10	149	753	5,306	...	...
	Catalpa sowings in the compound of District Forest Officer's bungalow	...	...	...	...	...	...	197	79	...	...
	Experimental sowings of bamboo	44	...	44	...	...	...	...	...	...	...
	Various bamboo plantations	...	...	...	...	...	...	...	...	...	...
	Sandal sowings	...	...	...	...	...	...	...	...	...	...
	Teak plantings	...	...	...	...	...	...	...	...	...	...
	Garden of fruit trees and vegetables containing Teak and Pongamia	...	...	...	...	...	...	...	...	...	...
Miscellaneous	...	...	...	...	...	...	...	...	...	...
Total		1,570	1,538	1,603	6,417	...	418	8,132	3,694	...	...	554
Indra Total		1,570	1,538	1,603	6,417	...	418	8,132	3,694	...	...	554
Total for Central Province and Berar		1,570	1,538	1,603	6,417	...	418	8,132	3,694	...	...	554

(a) Represents the amount spent on thinning in fighting damage by grubs for the natural development of the crop.
(b) The cost of creation Rs. 45 and up-keep Rs. 61 omitted as sowings have been abandoned.

(c) Rs. 31 on creation and Rs. 25 on up-keep added in column 9 and 10 for this year as they appear to have been wrongly excluded in 1914-15.

(d) Rs. 2 on creation and Rs. 13 on up-keep omitted from column 9 and 10 as the sowings have been abandoned.

(e) Excludes Rs. 3 spent in Betul on purchase of flower pots.

FORM NO. 19.—[PRESCRIBED].—Outturn in (thousands of cubic feet, solid) of

Division	Timber in the rough, Logs					Timber in the rough, Poles					Sawn or square timber.					
	Go-vern-ment.	Pur-chasers.	Free Grantees.	Right-holders.	Total	Go-vern-ment.	Pur-chasers.	Free Grantees.	Right-holders.	Total.	Go-vern-ment.	Pur-chasers.	Free Grantee.	Right-holders.	Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.	Thou-sands of C. ft.
NORTHERN CIRCLE.																
North-Mardia	27	550	25	..	602	..	..	..	..	..	..
South-Mardia	..	1	13	..	14	8	205	11	..	225	1	52	..	..	..	..
Jubbulpore-Nawalgahpur	..	3	79	2	85	10	105	6	..	181	..	..	..	..	..	53
Damoh	8	214	..	..	222	..	..	..	..	..	..
Sauger	..	2	..	..	2	63	144	2	..	209	..	..	..	..	..	..
Hoshangabad	..	1	47	..	48	96	82	5	..	183	..	147	..	..	..	147
Seoni	..	24	52	..	76	13	44	2	..	61	..	..	..	..	..	..
Chhindwara	..	38	..	1	39	23	147	3	..	173	..	..	..	..	..	..
Total	63	191	2	..	256	250	1,512	54	..	1,916	1	199	..	..	..	200
SOUTHERN CIRCLE.																
Balaghat	72	..	72	3	147	24	..	164	1	95	..	..	..	97
Bhandara	49	..	49	6	758	2	..	790	..	..	..	..	..	..
Bilaspur	..	2	123	..	125	2	108	2	..	172	..	8	..	..	..	8
North-Chanda	..	12	30	..	42	26	644	2	..	684	..	..	..	..	..	..
South-Chanda	..	20	289	..	319	27	138	20	..	175	2	1	..	..	..	5
Nagpur-Wardha	..	2	..	1	3	2	295	2	..	301	..	..	..	..	..	..
North-Nagpur	..	52	28	6	66	20	165	12	..	194	..	..	..	..	..	..
South-Nagpur	..	35	364	..	399	11	629	4	..	644	..	26	..	..	..	26
Total	A Class															
	B Class															
GRAND TOTAL	169	905	7	..	1,081	99	2,567	60	..	3,126	3	225	..	..	..	228

Charcoal should be shown by its equivalent in fuel, the quantity in the "Remarks" column of this form it should be shown with the figures entered in it.

Timber and Fuel during the year 1916-17 and Agency of Exploitation.

[illegible]

* If wood consumed in producing it being entered in cubic feet solid.

and which are only estimates, it being also noted in the latter case how the figures have been arrived at.

FORM NO. 19.—[PRESCRIBED].—*Outturn (thousands of cubic feet, solid)*

Division	Timber in the rough, Logs.					Timber in the rough, Poles.					Sawn or square timber.				
	Government	Purchasers	Free Grantees	Right-holders	Total	Government	Purchasers	Free Grantees	Right-holders	Total	Government	Purchasers	Free Grantees	Right-holders	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
BERAR CIRCLE.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.
											CLASS "A"—(TIMBER AND FUEL RESERVES).				
Meikhat	73	7	...	66	146	...	140	...	...	140
Amraoti	1	1	3	8	5	...	...	...	...	...
Buldana	5	38	...	...	43	...	...	...	...	...
Yeshmal	19	60	2	...	81	...	...	...	...	...
Akola	8	168	1	...	177	...	...	...	...	...
Total	106	274	6	66	452	...	140	...	...	140
											CLASS "C"—(PASTURE GROUNDS).				
Amraoti	1	...	...	1	...	...	...	...	...
Buldana	5	...	...	5	...	...	...	...	...
Yeshmal	5	10	4	...	19	...	...	...	...	...
Akola	1	1	...	2	...	...	...	...	...
Total	5	17	5	...	27	...	...	...	...	...
Total Berar excluding Nimar and Betul.	111	291	11	66	479	...	140	...	...	140
Figures of 1914-15	159	233	8	65	465	...	127	...	...	127
											CLASS "A"—(PERMANENT RESERVES).				
Nimar	...	35	273	12	...	320	...	...	...	...	...	...	...	...	...
Betul	108	...	...	108	17	62	...	77	...	...	...	...	...
om Nimar and Betul.	...	35	280	12	...	327	17	62	...	79	...	...	...	...	...
Figures of 1915-16	29	...	...	11	29	145	...	234	...	...	...	...	...
Total Berar Circle.	...	35	280	12	...	327	17	115	66	555	...	140	...	...	140
Total Central Provinces and Berar.

of Timber and Fuel during the year 1916-17 and Agency of Exploitation.—(Concl'd.)

Miscellaneous.					Total timber.					Fuel.					Total Outturn.	Remarks.
Government.	Purchasers.	Free Grantees.	Right holders.	Total.	Government.	Purchasers.	Free Grantees.	Right holders.	Total.	Government.	Purchasers.	Free Grantees.	Right holders.	Total.		
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	
					73	147		66	285	8	129		524	661	947	
					1	1	3		5	4	329	18		351	356	
5	9	3		17	10	47	5		60	104	145	25		277	337	
					19	60	2		81	84	171		10	265	346	
					8	168	1		177	135	324	7		466	643	
4	9	5		17	111	425	9	66	609	335	1,098	53	534	2,020	2,629	
							1		1		30	1		37	38	
	8	10		18		13	10		23	72	96	24		120	143	
					5	10	4		19	4	162		188	354	373	
							1		2		46			46	48	
	8	10		18	5	25	15		45	4	340	25	183	557	602	
5	17	13		35	116	448	24	66	654	339	1,438	78	722	2,577	3,331	
7	12	5		24	166	272	13	65	616	184	1,366	499	733	2,802	3,618	
					30	272	12		320	61	800	52		964	1,274	
1	15	18		34	18	182	28		221	24	192	648		854	1,075	
1	15	18		34	54	457	30		541	76	902	740		1,808	2,349	
25	235	34		284	104	306	30		530	40	842	789		1,669	2,199	
6	33	31		69	170	905	54	66	1,195	415	2,426	528	744	3,383	5,166	
11	195	50		240	760	7,043	126	68	8,067	599	10,247	2,200	1,222	19,538	23,007	

When quantities are produced in producing it being entered in cubic feet solid.
When quantities are only estimated, it being also noted in the latter case how the figures have been arrived at.

FORM NO. 20 —[PRESCRIBED]—*Outturn of Minor Forest Produce during the Forest year 1916-17.*

Division	Description of produce	Produce removed or utilized										Remarks.
		By Government Agencies		By purchasers.		By free grants		By right holders		Total.		
		Quantity.	Value	Quantity	Value	Quantity	Value	Quantity.	Value	Quantity.	Value.	
1	2	3	4	5	6	7	8	9	10	11	12	13
All the Divisions of the Northern Circle, Central Provinces.	NORTHERN CIRCLE.		Rs		Rs		Rs		Rs		Rs	
	I.—RESERVED FORESTS											
	Bamboo ... Tons	202	1 370	13,054	66 769	388	2 020	.	.	13,644	70,159	
	Do Lease	.	...		4 630	...	.	.	...	...	4,630	
	Do. .. Commutation			...	4 188		...	...	...	...	4 188	
	Grazing	..	..	.	4 25 889	.	9,905	...	...	..	4,35 794	
	Grass ... Tons	201	292	4,090	3 147	4 210	7,400	..	..	8,501	10 839	
	Do Lease		..	...	13,018		..			...	13,018	
	Do. .. Commutation	.	...		2,215	...	...	.	...	...	2,215	
	Harra ... Mds	8	5	8	4	.	.	..		16	9	
	Do. . Lease	..	..	...	18 301		...	.	...	...	18,301	
	Lac ... Tons	2	760		2	..	...	.	.	2	762	
	Do. .. Lease.	...	..	...	16,922	...	..	..	.	..	16,922	
	Mahua and Achar Tons	..	..	9	11	35	210	.	.	44	221	
	Do do Lease	..	.	.	5,448	...	.	..	...	...	5,448	
	Hide and horns ... Tons	1	252	...	12		...	...	..	..	264	
	Do do Lease	...	..	...	8,164	...	..	..	..	.	8,164	
	Other Minor Produce Tons	196	1,822	11,230	13,428	2,417	2,848	..	...	13,843	18,098	
	Do do. Lease	...	..	...	5,817	.	...	..	...	...	5,817	
	Do. do. Commutation	...	...	...	17 402	...	...	...	..	.	17,402	
	Mineral Products, Tons.	..	...	2,132	843	3,939	457	...	...	6,071	1,300	
	Do do. Cft	...	...	21,406	917		..	...	...	21,406	917	
	Do. do Lease		..	...	1,401	.	...	...	...	...	1,401	
	Kaltha ... "	..	...	...	3,333	.	...	...	...	...	3,333	
	Tekari and Babai grass "	...	...	...	1,424		...	...	...	...	1,424	
		Total	4,501	...	6,13,285	...	22 840	6,40,626
All Divisions of the Southern Circle, Central Provinces.	SOUTHERN CIRCLE.											
	I.—RESERVED FORESTS											
	Harra ... Tons	...	...	1,695	26,162	...	...	..	...	1,695	26,162	
	Lac ... "	1	1,472	106	5,226	...	...	...	...	107	6,398	
	Mahua and Achar. "	3	48	1,653	3,223	...	...	..	...	1,656	3,271	
	Hides and Horns. "	..	99	301	3,757	...	..	..	...	301	3,856	
	Bamboos ... No.	333,852	896	14,519,399	94,325	3,37,728	1,718	...	...	15,290,979	96,939	
	Fodder grass ... Tons	2,831	3,490	27,793	6,194	..	...	...	...	30,624	9,684	
	Thatching grass. "	305	709	98,523	59,101	1,932	3,271	...	...	100,760	63,081	
	Mineral Products. Cft.	...	...	42,994	503	357,571	2,317	...	...	400,565	2,820	

* Includes Rs. 5,810 granted free leases of birch grass to the Military Grass Farm, in the Banger Division.

FORM NO. 20 —[PRESCRIBED].—*Outturn of Minor Forest Produce during the Forest year 1916-17.*
—(Contd.)

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government agency		By purchasers		By free grants		By right-holders.		Total.		
		Quantity	Value	Quantity.	Value	Quantity.	Value.	Quantity	Value.	Quantity.	Value.	
1	2	3	4	5	6	7	8	9	10	11	12	13
All Divisions of the Southern Circle, Central Provinces —(Contd.)	SOUTHERN CIRCLE.— (Contd.)		Rs.		Rs.		Rs.		Rs.		Rs.	
	I.—RESERVED FORESTS.— (Contd.)											
	Other Minor ... Tons	61	699	20,456	16,408	614	860	...	.	21,131	17,967	
	Grazing Animals No.	...	..	709,569	2,25,132	13,095	8,146	...	...	722,664	2,33,278	
	Do of transit Cattle. "	.	...	100,907	12,218	..	...	..	...	100,907	12,218	
	Total ..	...	7,113	...	4,52,249	...	16,312	.	..	.	4,75,674	
	BERAR CIRCLE.											
	I.—RESERVED FORESTS.											
	I—Class "A"—(Timber and Fuel Reserves.)											
	Bamboos .. No.	27,438	985	35,06,844	50,700	790	14	262,100	3,931	3,797,172	55,630	
All Divisions of Berar proper.	Fodder grass .. Tons	252	1,510	92,035	93,058	533	493	2,621	953	95,441	96,014	
	Grazing cattle. No	.	...	(a) 288,681	(a) 2,29,909	18,039	14,617	375	375	307,095	2,44,901	
	Rusa and *thatching grass. { Tons	109	199	1,197	1,060	61	209	...	.	1,567	1,468	
	Lease. {	...	...	...	24,942	..	...	..	...	...	24,942	
	Rusa oil ... Lbs.	...	..	182	250	...	..	...	...	182	250	
	Lac ... { Lease	...	..	...	600	..	...	..	...	...	600	
	Lbs. {	42	12	...	...	.	..	...	...	42	12	
	Harra ... "	...	.	...	1,500	.	...	...	...	...	1,500	
	Gum ... "	...	...	...	200	...	...	.	...	...	200	
	Mineral pro { Tons	...	...	4,218	1,345	3,953	518	...	...	8,171	1,863	
	ducts. { Cft.	...	...	43,724	334	239,798	163	...	...	283,522	497	
	Animal ... { T. lbs.	2	849	0	273	...	...	...	...	2	1,476	
	No {	377	366	161	247	...	.	...	...	538	613	
	Miscellaneous ... { Tons	86	92	3,227	7,276	309	721	436	1,085	4,058	9,174	
	Lease. {	...	...	...	210	...	..	..	...	...	210	
	Total ..	...	4,013	...	4,12,258	...	16,735	...	6,344	...	4,39,359	
	All Divisions of Berar proper.	II.—Class "C"—(Pasture Grounds).										
Bamboos ... No.		...	...	110,983	1,266	...	...	...	...	110,983	1,266	
Fodder grass ... Tons.		...	...	320	343	5	14	...	...	325	357	
Grazing cattle No.		...	...	(b) 977,534	(b) 3,34,506	206,145	1,03,068	...	...	1,183,679	4,37,574	
Rusa grass ... Tons.		...	...	2	5	...	..	...	.	2	5	

(a) Transit cattle 7,596 revenue Rs. 739, and Buffaloes 4,199, revenue Rs. 3,159, and Goats Rs. 2,894, included.

(b) Excludes transit cattle 10,7167, revenue Rs. 814 and 10,552 nomadic sheep, revenue Rs. 7,322.

* Thatching grass value Rs. 209.

FORM NO. 20.—[PRESCRIBED].—*Outturn of Minor Forest Produce during the Forest year 1916-17.*—(Concl'd)

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government agency.		By purchasers		By free-grants.		By right-holders.		Total.		
		Quantity	Value	Quantity.	Value.	Quantity.	Value	Quantity.	Value	Quantity.	Value	
1	2	3	4	5	6	7	8	9	10	11	12	13
All Divisions of Berar proper.—(Concl'd.)	BERAR CIRCLE— (Concl'd)		Rs.		Rs.		Rs.		Rs.		Rs.	
	I.—RESERVED FORESTS. (Concl'd)											
	II—Class "C" (Pasture Grounds).—(Concl'd.)											
	Rusa oil ... Lbs.	...	...	118	80	...	...	...	...	118	80	
	Mineral Pro- ducts { Cft	...	...	308 965	3,444	152,950	463	...	...	461,915	3,907	
	{ Tons	256	85	19,019	3 702	3,085	526	...	...	22,360	4,313	
	Animal Products Lbs	29	11	15	69	...	...	...	...	44	80	
	Miscellaneous produce Tons	51	57	2,794	6,934	1,602	2,404	...	...	4,447	9,395	
	Total	...	153	...	3,46,905	...	1,03,612	...	...	...	4,53,070	
	Total excluding Nimar and Betul	...	4,166	...	7,62,607	...	1,20,810	...	6,344	...	8 96,327	
Nimar and Betul Division.	I.—Class "A" (Permanent Reserves).											
	Bamboos ... No	38,113	899	4,017,017	54,321	199,665	1,317	...	...	4,254,795	56,537	
	Fodder grass . Tons	1,282	283	17,847	20,762	1,430	1,406	...	...	20,609	22,451	
	Grazing cattle .. No.	...	...	* 254,923	1,37,654	12,553	10,296	...	...	267,476	1,47,900	* Ex- cludes transit cattle
	Rusa grass .. Lease	...	...	...	7,695	...	...	...	...	...	7,695	
	Lac ... "	...	...	...	880	...	...	...	...	...	880	
	Harra ... "	...	...	...	1,335	...	...	...	...	...	1,335	
	Gum ... "	...	...	...	784	...	...	...	...	...	784	
	Mahua ... "	...	...	...	1,154	...	52	...	...	...	1,206	
	Hides, horns and bones. { Tons	1 418	443	0 1,380	3	...	...	...	...	1 1,798	446	
	{ case.	...	...	...	2,248	...	...	...	...	...	2,248	
	Minerals ... { Tons	...	...	118	44	...	...	...	...	118	44	
	{ Lease	...	...	...	281	...	...	...	...	...	281	
	Miscellaneous ... { Tons	...	124	1,681	894	539	1,153	...	...	2,220	2,171	
	{ Lease.	...	...	...	2,851	...	...	...	...	...	2,851	
	Commutation ...	...	...	...	3,137	...	...	...	...	...	3,137	
	Total	...	1,749	...	2,34,043	...	14,224	...	...	...	2,50,016	
	II—Class "B" (Avail- able for Agriculture).											
	Grazing cattle ... No.	...	...	289	49	...	...	...	...	289	49	
	Total	...	...	...	49	...	...	...	...	...	49	
	Total Nimar and Betul.	...	1,749	...	2,34,043	...	14,224	...	...	...	2,50,016	
	Total Berar Circle	...	5,915	...	9 45,699 (20 554)	...	1,37,434	...	6,344	...	11,46,392 (20,554)	
	GRAND TOTAL CENTRAL PROVINCES AND BERAR.	...	17,529	...	2 062,273 (20,554)	...	1,76,586	...	6,344	...	22,62,692 (20,554)	

* Figures in bracket show value of transit and nomadic cattle.
Figures under right holders and free grantees are estimated only.

FORM NO. 21.—[PRESCRIBED] Account of timber and other produce cut or collected by Government agency and brought to depôts, sold locally, or otherwise disposed of during the year 1916-17.

Division		Balance at commencement of the year in forests and sale depôts	Received during the year	Total	Disposed of during the year	Balance in hand at close of the year in forests and sale depôts
1	2	3	4	5	6	
NORTH INDIA						
NORTH INDIA CIRCLE						
TIMBER						
North Mandla	...	5,513	17,153	20,966	61,915	19,051
South Mandla	...	15,018	10,384	25,332	25,680	652
Jubbulpore-Narsinghpur	...	4,707	12,835	17,632	12,831	4,851
Damoh	...	170,819	7,710	178,529	175,438	3,091
Saugor	...	19,559	65,364	84,923	53,043	31,880
Hoshangabad	...	49,968	66,954	146,922	56,239	90,683
Seoni	...	6,166	39,186	45,152	35,562	9,790
Chhindwara	...	3,478	55,292	58,770	15,257	43,513
Total	...	324,348	315,128	639,476	435,965	203,511
FUEL						
North Mandla	...	2,430	1,755	4,185	2,670	1,515
South Mandla	850	850	850	...
Jubbulpore-Narsinghpur	...	9,245	20,715	29,960	15,450	14,510
Damoh	...	996,819	6,351	1,003,170	1,001,970	1,200
Saugor	...	11,785	36,354	48,139	19,999	28,140
Hoshangabad	...	44,100	43,310	87,410	59,535	27,875
Seoni	...	14,606	53,187	67,793	55,923	11,870
Chhindwara	...	20	58,883	58,903	1,980	56
Total	...	1,079,005	221,405	1,300,410	1,158,377	142,033
MINOR FOREST PRODUCE						
		Rs.	Rs.	Rs.	Rs.	Rs.
North Mandla	...	8	132	140	133	7
South Mandla	...	2,139	490	2,629	2,320	309
Jubbulpore-Narsinghpur	...	63	1,123	1,186	346	840
Damoh	...	381	87	468	402	66
Saugor	...	30	983	1,013	888	125
Hoshangabad	...	20	195	215	130	85
Seoni	...	9	285	294	226	68
Chhindwara	...	184	1,206	1,390	782	608
Total	...	2,834	4,501	7,335	5,227	2,108
				(Value).		

FORM NO. 21.—[PRESCRIBED.]—Account of *timber and other produce cut or collected by Government agency and brought to depot, sold locally, or otherwise disposed of during the year 1916-17*—(Contd.)

Name of Division		Balance at commencement of the year in forests and sale depot	Received during the year	Let off	Disposed of during the year	Balance in hand at close of the year in forests and sale depot
1		2	3	4	5	6
SOUTHERN CIRCLE.		C ft.	C ft.	C ft.	C ft.	C ft.
TIMBER						
Balaghat	...	310	387	7223	4917	2306
Bhandara	...	3093	6176	9260	6000	3269
Bilaspur	...	106	378	4077	2178	1895
North Chanda	...	4140	5002	60173	36243	23930
South Chanda	...	1258	99371	112449	18445	94004
Nagpur-Wardha	...	517	7379	6696	7418	5278
North Raipur	...	1623	52256	63489	18422	50067
South Raipur	...	2452	46671	49055	14390	34654
Total		42050	271470	319420	104022	215407
FUEL						
Balaghat	...	14265	11490	25775	10800	8885
Bhandara	...	3275	8050	11325	5700	5625
Bilaspur	...	250	100	350	225	125
North Chanda	...	21800	220828	242727	135148	107579
South Chanda	...	...	750	750	750	...
Nagpur-Wardha	...	2981	11000	13881	5461	8420
North Raipur	...	...	10142	10142	7489	2653
South Raipur	...	70	1155	1234	1234	...
Total		42669	263515	306184	172897	133287
				Value,		
MINOR FOREST PRODUCE.		Rs.	Rs.	Rs.	Rs.	Rs.
Balaghat	...	265	664	929	594	315
Bhandara	...	37	753	790	695	95
Bilaspur	...	22	1207	1229	526	643
North Chanda	...	375	2538	2910	2450	460
South Chanda	...	117	942	1059	997	62
Nagpur-Wardha	...	6	265	271	231	40
North Raipur	...	143	85	228	190	38
South Raipur	...	132	662	794	788	6
Total		1097	7113	8270	6531	1579

FORM NO 21 — [PRESCRIBED] — Account of timber and other produce cut or collected by Government agency and brought to depôts, sold locally, or otherwise disposed of during the year 1916-17. — (Concl'd.)

Name District			Balance at commencement of the year in forests and sale depôt	Received during the year	Total	Disposed of during the year	Balance in hand at close of the year in forests and sale depôts
1			2	3	4	5	6
BERAR CHILL			C. ft	C. ft	C. ft	C. ft	C. ft
Timber							
Melghat	..	..	6,640	73,132	79,781	75,073	3,806
Amraoti	..	..	540	1,300	1,840	1,100	740
Buldana	...	...	5,559	10,532	16,001	11,171	4,930
Yeatmal	...	...	21,252	10,654	40,906	27,034	17,072
Akola	...	...	..	8,170	8,170	7,770	400
Nimar	...	..	30,012	36,239	66,251	29,042	37,209
Betul	...	..	7,342	18,232	90,574	75,944	14,630
Total			136,354	167,259	303,613	223,934	79,679
FUEL.							
Melghat	..	..	80	7,744	7,824	7,104	720
Amraoti	...	...	8,980	3,460	12,440	11,480	960
Buldana	...	..	78,547	104,362	182,909	101,324	81,585
Yeatmal	...	...	54,112	95,600	149,712	88,368	61,344
Akola	...	...	500	135,125	135,625	125,000	10,625
Nimar	...	...	20,720	61,584	82,304	38,684	43,620
Betul	...	...	8,509	13,741	22,250	11,773	10,477
Total			171,448	421,616	593,064	383,733	209,331
MINOR FOREST PRODUCE.					Value.		
Melghat	...	...	Rs. 936	Rs. 2,606	Rs. 3,542	Rs. 2,648	Rs. 894
Amraoti	...	...	137	164	301	119	182
Buldana	...	...	38	339	377	342	35
Yeatmal	...	...	141	370	511	463	48
Akola	...	...	..	640	640	608	32
Nimar	...	...	150	4,254	4,404	4,160	244
Betul	...	...	478	22,081	22,559	21,656	903
Total			1,880	30,454	32,334	29,996	2,338
GRAND TOTAL CENTRAL PROVINCES AND BERAR.							
Timber Cft.			503,661	758,857	1,202,518	763,921	498,597
Fuel "			1,293,122	906,536	2,199,658	1,715,007	484,651
Other minor produce, Rs			5,811	42,068	47,879	41,754	6,125

FORM NO. 22.—[PRESCRIBED]—*Abstract showing the value of Timber and other produce at sale Depôts for the year 1916-17.*

Description of Timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value		Remarks.
	No	C t t	Value	No.	C t t	Value	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
			Rs.			Rs.	Rs.	Rs.	
NORTHERN CIRCLE.									
Timber	324,348	13,994	..	203,511	11,228	..	2,765
Fuel	1,079,005	4,643	..	142,033	2,793	..	1,850
Minor produce	2,834	..	..	2,108	..	726
Total	21,471	..	..	16,129	..	5,342
SOUTHERN CIRCLE.									
Timber	8,426	7,052	..	22,414	15,745	8,693	..
Fuel	3,290	127	..	5,015	171	44	..
Minor produce	237	..	..	109	..	128
Total	11,716	7,416	..	27,429	16,025	8,609	..
GRAND TOTAL FOR CENTRAL PROVINCES AND BENAR.	28,887	..	..	32,154	8,609	5,342

FORM NO. 23.—[PRESCRIBED].—Abstract showing the value of live and dead-stock for the year 1916-17.

Description of live and dead-stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value		Remarks.
	No.	Value	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.							
Elephant	6	Rs. 3,231	6	Rs. 2,909	...	322	*Purchased.
Other live-stock	4	88	*6	172	84	...	
Dead-stock	...	1,34,935	...	1,47,760	12,825	..	
Total Northern Circle	...	1,38,254	...	1,50,841	12,587	...	
SOUTHERN CIRCLE.							
Elephant	8	16,600	8	16,100	...	500	
Other live-stock	12	470	12	510	40	...	
Dead-stock	...	2,92,743	...	2,75,994	...	16,749	
Total Southern Circle	...	3,09,813	..	2,92,604	...	17,209	
BERAR CIRCLE.							
LIVE-STOCK.							
Elephants	4	4,027	4	3,826	...	201	
Bullocks	10	489	10	466	...	23	
Total	14	4,516	14	4,292	...	224	
DEAD-STOCK.							
Buildings	...	1,98,299	...	2,03,743	5,444	...	
Mathematical and other drawing instruments	...	3,398	...	3,178	...	220	
Tools	...	7,921	...	6,998	...	923	
Furniture	...	15,787	...	14,662	...	1,125	
Tents	...	9,757	...	8,469	...	1,288	
Miscellaneous	...	8,548	...	11,200	2,652	...	
Total	...	2,43,712	...	2,48,250	4,538	...	
Total Berar Circle	...	2,48,226	...	2,52,543	4,317	...	
GRAND TOTAL CENTRAL PROVINCES AND BERAR	...	6,96,293	...	6,98,987	2,694	...	Net difference in favour of live-stock Rs. 4,317

FORM NO 22.—[PRESCRIBED]—Abstract showing the value of Timber and other produce at sale Depots for the year 1916-17.

Description of Timber and other produce.	On hand at commencement of the year			On hand at close of the year			Difference in value		Remarks
	No.	Ct.	Value	No.	Ct.	Value	In favour of the year	Against the year	
1	2	3	4	5	6	7	8	9	10
			R.			Rs.	R.	Rs.	
NORTHERN CIRCLE									
Timber		324 348	13 994		203 511	11,228		2 705	
Fuel		1 079 005	4 643		142,033	2,793		1,850	
Minor produce			2 834			2 108		726	
Total			21,471			16,129		5,342	
SOUTHERN CIRCLE									
Timber	...	8 420	7,052		22,414	15,745	8,693		
Fuel	..	3,290	127	...	5 015	171	44	..	
Minor produce	...		237	...		109		128	
Total	...	11,716	7,416	..	27,419	16,025	8,609	...	
GRAND TOTAL FOR CENTRAL PROVINCES AND BERAR.			28,887	...		32,154	8,609	5,342	

FORM NO. 23 (Part Schedule II) — Abstract showing the value of live and dead-stock for the year 1916-17

Description of live and dead stock	On hand at commencement of the year		On hand at close of the year		Difference in value		Remarks.
	No.	Value	No.	Value	In favour of the year	Against the year	
1	2	3	4	5	6	7	8
NORTHERN CIRCLE							
Elephant	6	3,231	6	2,909	..	322	*Purchased.
Other live-stock	4	88	*6	172	84	..	
Dead-stock	...	1,34,935	...	1,47,760	12,825	...	
Total Northern Circle	...	1,38,254	...	1,50,841	12,587	...	
SOUTHERN CIRCLE.							
Elephant	8	16,600	8	16,100	..	500	
Other live-stock	12	470	12	510	40	..	
Dead-stock	...	2,92,743	..	2,75,994	...	16,749	
Total Southern Circle	...	3,09,813	..	2,92,604	..	17,209	
BERAR CIRCLE.							
LIVE-STOCK.							
Elephants	4	4,027	4	3,846	...	201	
Bullocks	10	489	10	466	...	23	
Total	14	4,516	14	4,292	...	224	
DEAD-STOCK.							
Buildings	...	1,98,299	...	2,03,743	5,444	...	
Mathematical and other drawing instruments	...	3,398	...	3,178	...	220	
Tools	...	7,921	...	6,998	..	923	
Furniture	...	15,787	...	14,662	..	1,125	
Tents	...	9,757	..	8,469	...	1,288	
Miscellaneous	...	8,548	..	11,200	2,652	..	
Total	...	2,43,710	...	2,48,250	8,096	3,555	
Total Berar Circle	...	2,48,226	...	2,52,542	8,096	3,780	Net difference in favour of the year Rs. 4,316.
GRAND TOTAL CENTRAL PROVINCES AND BERAR	...	6,56,293	...	6,95,987	20,683	...	

FORM NO 24 —[PRESCRIBED].—Summary of Revenue and Expenditure

Budget Heads.	Director Division.	Darnoh Division.	Seoni Division.	Hoshangabad, Division.
1	2	3	4	5
	R.	Rs.	Rs.	Rs.
NORTHERN CIRCLE.				
REVENUE.				
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—				
a. Timber	..	4,592	3,329	4,839
b. Firewood and charcoal	..	1,970	1,176	667
c. Bamboos	..	104	3	7
d. Sandal-wood
e. Grass and other minor produce	..	44	20	122
Total I		6,710	4,528	5,635
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—				
a. Timber	..	12,755	15,145	1,31,456
b. Firewood and charcoal	..	5,636	10,648	19,244
c. Bamboos	..	1,916	15,128	22,037
d. Grazing and fodder Grass	..	74,463	70,007	24,330
e. Other minor produce	..	17,044	5,825	5,087
f. Other items
h. Commutation fees	..	198	150	578
Total II		1,12,614	1,16,993	2,02,732
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.				
Total III		2	3	87
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—				
a. Duty on foreign timber and other forest produce
b. Revenue from shared and private forests
Total IV	
V.—MISCELLANEOUS—				
a.—Fines and forfeitures	..	100	98	..
b.—Refunds	..	184	140	310
c.—Other sources	..	7,273	6,494	4,015
Total V	49	7,557	6,732	4,325
GRAND TOTAL REVENUE	49	1,26,883	1,28,256	2,12,779
EXPENDITURE.				
A.—Conservancy and Works.				
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—				
a. Timber	..	155	..	135
b. Firewood and charcoal	..	3	..	..
c. Bamboos	6
d. Sandal-wood
e. Grass and other minor produce	..	252	32	310
Total A-I	..	410	32	451
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.				
Total A-II	..	6,548	7,185	6,865
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.				
Total A-III
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—				
a. Duty on foreign timber and other forest produce
b. Revenue from shared and private forests
Total A-IV
V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.				
Total A-V

FORM NO. 24.—[PRESCRIBED].—Summary of Revenue and Expenditure

Budget Heads	Direction Division.	Damoh Division.	Seoni Division	Hoshangabad Division.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
NORTHERN CIRCLE.—(Contd.)				
EXPENDITURE.—(Contd.)				
A.—Conservancy and Works.—(Contd.)				
VI.—LIVE STOCK, STORES, TOOLS AND PLANT—				
a. Purchase of cattle	89	...
b. Feed and keep of cattle	...	733	77	794
c. Purchase of stores, tools and plant	...	37	1,642	667
Total A-VI	...	770	1,808	1,461
VII.—COMMUNICATIONS AND BUILDINGS—				
a. Roads and bridges	...	13,078	2,325	10,522
b. Buildings	...	3,861	2,140	5,924
c. Other works	...	1,987	267	944
Total A-VII	...	18,926	4,732	17,390
VIII.—ORGANIZATION, IMPROVEMENT AND EXTENSION OF FORESTS—				
a. Demarcation	...	286	1,125	1,025
b. Cost of Forest Settlements; compensation for land and rights.	...	3	...	...
c. Surveys
d. Working plans
e. Sowing and planting	...	20	111	259
f. Protection from fire	...	7,778	5,328	7,498
g. Other works	...	257	1,406	5,354
Total A-VIII	...	8,344	7,970	14,136
IX.—MISCELLANEOUS—				
a. Law charges	...	79	...	...
c. Other charges	...	1,179	1,216	1,032
Total A-IX	...	1,258	1,216	1,032
TOTAL A.—CONSERVANCY AND WORKS	...	770	38,632	41,333
B.—Establishments.				
I.—SALARIES—				
a. Conservators	...	39,461	...	...
b. Superior officers	...	380	8,050	14,199
c. Subordinate forest and depot establishments	...	168	19,581	20,418
d. Office Establishments	...	10,310	4,815	5,137
e. Deputation and special allowances	...	3,954	...	1,402
f. Grain compensation allowance	1	...
Total B-I	...	34,273	32,447	41,136
II.—TRAVELLING ALLOWANCES—				
a. Conservators	...	2,451	...	...
b. Superior officers	...	45	1,449	2,176
c. Subordinate forest and depot establishments	...	26	2,450	3,943
d. Office establishments	...	542	258	309
Total B-II	...	3,064	4,137	5,828
III.—CONTINGENCIES—				
a. Stationery	...	3	38	27
b. Carriage of tents and records	...	1,382	800	898
c. Rents, rates and taxes	99	147
d. Pay of Police guards
e. Official postage	...	603	400	854
f. Sundries	...	2,159	1,190	1,097
Total B-III	...	4,147	2,527	3,017
TOTAL B.—ESTABLISHMENTS	...	41,484	39,111	50,001
GRAND TOTAL OF EXPENDITURE	...	42,254	77,793	91,334
SURPLUS OR DEFICIT	...	-42,205	49,180	1,21,445

of the different Divisions during the First year 1916-17.—(Contd.)

Jabalpore-Narmada Div. Division.	Central Div.	Chhindvan Div.	Sugar Division.	South-Mandla Division.	Total.
6	7	8	9	10	11
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
					89
					4,424
					8,877
507 870	787	597 249	534 1,042	743 796	13,390
137	787	846	1,576	1,539	
					32,515
2114 1,165 191	900 1,158 248	568 4,654 393	1,695 1,803 111	1,313 5,687 527	20,472 5,168
3,090	2,306	5,615	3,669	7,527	64,155
					8,512
101	1,598	870	1,506 604	1,201	607
					96
					428
					35,182
3,030 860	1,467 238	1,992 3,033	38 2,466 1,449	4,923 149	12,746
5,391	3,303	5,991	6,063	6,273	57,471
					563
					8,146
1,016	530	151 993	46 1,030	286 1,150	
1,016	531	1,144	1,076	1,436	8,709
16,980	13,498	18,965	18,254	23,606	1,95,001
					19,461
					79,737
					1,57,268
					50,026
					5,602
					2
10,237 21,592 5,980	5,726 15,876 4,091 158	11,187 17,677 4,937	12,705 25,449 4,745 88	4,803 16,482 5,253	3,12,096
37,809	25,851	33,801	42,987	26,629	
					2,451
					11,703
					23,005
					3,302
1,253 3,986 357	1,166 2,005 140	1,518 2,155 584	1,790 3,419 225	1,198 2,652 396	40,551
5,596	3,311	4,257	5,434	4,246	
					287
					8,292
					774
					4,864
					11,007
21 843 33	36 672 81	42 1,037 12	43 969 139	40 906 205	25,314
575 880	334 808	423 974	410 1,167	724 986	377,961
2,352	1,931	2,488	2,728	2,861	5,72,962
45,757	31,093	40,546	51,149	33,736	4,45,539
62,737	44,591	59,511	69,403	57,342	
14,190	61,170	73,908	49,286	58,396	

FORM NO. 24.—[PRESCRIBED] — Summary of Revenue and Expenditure

Budget Heads.	Director Division	Balaghat Division	Balaghat School Division.	Bhandara Division
1	2	3	4	5
	R.	R.	R.	R.
SOUTHERN CIRCLE.				
REVENUE				
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—				
a. Timber	...	448	...	258
b. Firewood and charcoal	...	224	...	40
c. Bamboos	...	3	...	24
d. Sandal-wood
e. Grass and other minor	...	252	...	926
Total	...	927	...	1,248
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.—				
a. Timber	...	50,621	...	38,887
b. Firewood and charcoal	...	15,300	...	24,089
c. Bamboos	...	2,027	...	13,461
d. Grazing and fodder grass	...	36,861	...	16,744
e. Other minor produce	...	31,269	...	15,991
f. Other items
g. Commutation fees	...	4,240	...	...
Total II	...	1,58,227	...	1,09,172
III.—DRIFT AND WASTE WOOD AND CONFISCATED FOREST PRODUCE.				
Total III	...	4	...	...
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—				
a. Duty on foreign timber and other forest produce
b. Revenue from shared and private forests
Total IV
V.—MISCELLANEOUS—				
a. Fines and forfeiture	...	208	...	85
b. Refunds	...	616	...	2
c. Other sources	...	14,816	4,121	4,483
Total V	...	15,640	4,125	4,570
GRAND TOTAL REVENUE	...	1,84,798	4,125	1,14,990
EXPENDITURE				
A.—Conservancy and works.				
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—				
a. Timber	...	549	...	8
b. Firewood and charcoal	...	61	...	...
c. Bamboos	16
d. Sandal-wood
e. Grass and other minor produce	...	172	...	353
Total A-I	...	782	...	377
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.				
Total A-II	...	10,232	3.0	5,284
III.—DRIFT AND WASTE WOOD AND CONFISCATED FOREST PRODUCE.				
Total A-III	...	10,232	3.0	5,284
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—				
a. Duty on foreign timber and other forest produce
b. Revenue from shared and private forests
Total A-IV
V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.				
Total A-V

FORM NO. 24 — [PRESCRIBED].—Summary of Revenue and Expenditure

Budget Heads	Direction Division	Balaghat Division	Balaghat School Division	Bhandara Division
1	2	3	4	5
	Rs	Rs	Rs	Rs
SOUTHERN.—(Concl'd.)				
EXPENDITURE.—(Concl'd)				
1.—Conservancy and Works.—(Concl'd)				
VI.—LIVE-STOCK STORES, TOOLS AND PLANTS—				
a. Purchase of cattle	...	...	...	...
b. Feed and keep of cattle	208	1,825	145	515
c. Purchase of stores, tools and plant	193	308	329	136
Total A-VI	401	2,133	474	651
VII.—COMMUNICATIONS AND BUILDINGS—				
a. Roads and bridges	...	7,335	...	711
b. Buildings	...	3,484	...	545
c. Other works	...	962	334	379
Total A-VII	...	11,781	334	1,635
VIII.—ORGANIZATION, IMPROVEMENT AND EXTENSION OF FORESTS—				
a. Demarcation	...	1,813	...	120
b. Cost of Forest Settlements, compensation for land and rights	...	...	...	...
c. Surveys	...	...	...	...
d. Working plan	473	22	...	23
e. Sowing and planting	192	277	461	190
f. Protection from fire	...	6,449	...	2,857
g. Other works	...	1,868	3	375
Total A-VIII	665	10,429	464	3,565
IX.—MISCELLANEOUS—				
a. Law charges	...	1	...	...
c. Other charges	45	1,408	696	647
Total A-IX	45	1,409	696	647
TOTAL A.—CONSERVANCY AND WORKS	1,112	36,766	2,278	12,167
F.—Establishments.				
I.—SALARIES—				
a. Conservators	20,573	...	...	...
b. Superior officers	4,276	23,813	6,244	4,999
c. Subordinate forest and depot establishments	448	22,318	2,548	15,761
d. Office establishments	10,611	6,872	1,105	4,787
e. Deputation and special allowances	1,862	50	4,046	...
f. Grain compensation allowance	...	...	...	...
Total B-I	37,770	53,053	13,943	25,547
II.—TRAVELLING ALLOWANCES—				
a. Conservators	2,480	...	...	...
b. Superior officers	...	2,181	900	934
c. Subordinate forest and depot establishments	146	3,000	1,852	2,757
d. Office establishments	758	861	172	425
Total B-II	3,384	6,132	2,924	4,116
III.—CONTINGENCIES—				
a. Stationery	26	43	22	31
b. Carriage of tents and records	1,338	1,757	712	608
c. Rents, rates and taxes	379	4	...	11
d. Pay of police guards	...	...	...	...
e. Official postage	853	845	1	793
f. Sundries	2,117	1,981	1,904	1,055
Total B-III	4,713	4,630	1,939	2,498
TOTAL B.—ESTABLISHMENTS	43,867	63,815	18,806	32,156
GRAND TOTAL OF EXPENDITURE	45,979	1,00,581	21,084	44,323
SURPLUS OR DEFICIT	45,971	2,427	10,559	7,007

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FORM NO. 24 — [PRESCRIBED].—Summary of Revenue and Expenditure

Budget Heads	Direction Division.	Betul Division.	Buldana Division.
1	2	3	4
	Rs.	Rs.	Rs.
BERAR CIRCLE			
REVENUE.			
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—			
a. Timber	...	5,291	1,604
b. Firewood and charcoal	..	195	3,783
c. Bamboos	...	22	
d. Sandal-wood	.		
e. Grass and other minor produce	...	606	342
Total I	.	6,054	5,819
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—			
a. Timber	...	68,310	9,583
b. Firewood and charcoal	...	7,604	11,211
c. Bamboos	...	28,105	7,019
d. Grazing and fodder grass	.	56,615	1,05,607
e. Other minor produce	..	11,932	3,128
f. Other items	..		
g. Commutation fees	...	2,591	
Total II		1,81,057	1,36,548
III.—DRIFT AND WASTE WOOD AND CONFISCATED FOREST PRODUCE			
		120	2
Total III	.	120	2
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—			
a. Duty on foreign timber and other forest produce	..		
b. Revenue from shared and private forests	.		
Total IV	.		
V.—MISCELLANEOUS—			
a. Fines and forfeitures	..		
b. Refunds	...	256	7
c. Other sources	.	6,689	10,863
Total V	229	6,945	10,870
GRAND TOTAL	229	1,94,185	1,53,239
EXPENDITURE.			
A.—Conservancy and Work.			
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—			
a. Timber	...	572	85
b. Firewood and charcoal	...		1,017
c. Bamboos	...		
d. Sandal-wood	...		
e. Grass and other minor produce	.	424	177
Total A-I	...	996	1,279
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.			
	...	10,045	1,003
Total A-II	...	10,045	1,003
III.—DRIFT AND WASTE WOOD AND CONFISCATED FOREST PRODUCE			
	...		
Total A-III	...		
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—			
a. Duty on foreign timber and other forest produce	..		
b. Revenue from shared and private forests	...		
Total A-IV	...		
V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.			
	...		
Total A-V	...		



Lexis

FORM NO. 24.—[PRESCRIBED.]—Summary of Revenue and Expenditure

Budget Heads	Direction Division.	Betul Division	Buldana Division.
1	2	3	4
	Rs	Rs	Rs.
BERAR CIRCLE —(Concl.)			
EXPENDITURE —(Concl.)			
A—Conservancy and Works.—(Concl.)			
VI.—LIVE STOCK, STORES TOOLS AND PLANT—			
a. Purchase of cattle
b. Feed and keep of cattle	..	170	..
c. Purchase of stores tools and plant	..	533	166
Total A-VI	877	703	166
VII.—COMMUNICATIONS AND BUILDINGS—			
a. Roads and bridges	..	19,266	1,873
b. Buildings	..	1,358	1,669
c. Other works	..	909	545
Total A-VII	..	21,533	4,087
VIII.—ORGANIZATION, IMPROVEMENT AND EXTENSION OF FORESTS—			
a. Demarcation	..	817	439
b. Compensation for land and rights	1,562
c. Surveys	3
d. Working-plans
e. Sowing and planting	..	3	163
f. Protection from fire	..	4,153	1,354
g. Other work	..	867	3,066
Total A-VIII	..	5,840	6,587
IX.—MISCELLANEOUS—			
a. Law charges	..	100	..
c. Other charges	..	834	639
Total A-IX	..	943	639
TOTAL A—CONSERVANCY AND WORKS	877	40,060	13,761
B—Establishments.			
I.—SALARIES—			
a. Conservators	..	20,400	..
b. Superior officers	..	12,404	9,700
c. Subordinate forest and depot establishments	..	24,744	14,274
d. Office establishments	..	5,790	4,992
e. Deputation and special allowances
f. Exchange compensation allowance
Total B-I	31,851	42,938	28,966
II.—TRAVELLING ALLOWANCES—			
a. Conservators	..	1,809	..
b. Superior officers	..	1,505	889
c. Subordinate forest and depot establishments	..	3,749	2,042
d. Office establishments	..	415	451
Total B-II	2,693	5,669	3,391
III.—CONTINGENCIES—			
a. Stationery	..	63	19
b. Carriage of tents and records	..	1,271	541
c. Rents, rates and taxes	..	16	435
d. Pay of Police guards
e. Official postage	..	533	614
f. Sundries	..	1,189	1,142
Total B-III	3,829	3,072	3,031
TOTAL B.—ESTABLISHMENTS	38,373	51,679	35,379
GRAND TOTAL OF EXPENDITURE	39,250	91,739	49,140
SURPLUS OR DEFICIT	-39,021	+1,02,446	+1,02,099

of the different Divisions during the Forest year 1916-17.—(Concl.)

Nimar Division.	Akola Division.	Yeotmal Division.	Melghat Division.	Amraoti Division.	Total.
5	6	7	8	9	10
Rs	Rs.	Rs.	Rs	Rs.	Rs.
37 1,450 57	...	1,150 325	1,253 289	...	32 4,892 1,645
1,544	9	1,475	1,542	248	6,564
3,043 2,825 425	436 2,676 780	2,412 1,090 1,133	5,356 9,567 616	5,074 4,966 250	33,760 24,151 4,658
7,193	3,892	4,635	15,539	10,290	57,169
1,363	700	672	370	...	4,361
...	...	...	15,558	...	27,120
...	152	721	4	61	941
...	...	589	...	4	593
36 6,167 1,886	3,041 1,155 2,623	559 250 3,491	57 6,522 4,568	37 684	2,806 20,485 16,501
9,652	6,671	6,222	27,079	786	62,897
221 2,125	...	...	10 1,369	1 647	341 7,305
2,346	560	1,131	1,379	648	7,546
33,061	18,362	28,079	49,212	17,625	2,01,017
...	...	...	...	...	20,400
18,591 30,746 8,530 1,800	8,250 9,678 4,744 53	13,392 30,203 6,191 2	19,950 20,656 6,419 3,848	11,700 11,488 4,308 91	93,089 1,47,915 49,384 8,708
...
59,669	22,725	49,787	56,873	27,487	3,40,396
...	...	...	...	...	1,809
1,246 5,147 821	942 1,844 525	1,655 3,738 399	1,602 3,879 720	1,463 2,068 474	5,294 22,598 4,558
7,214	3,311	5,792	6,191	4,007	35,259
87 1,553 84	60 875 120	41 1,592 10	410 1,839 167	18 715 79	724 8,075 911
...
683 1,214	377 1,084	708 1,771	239 1,139	580 786	4,386 22,128
3,621	2,516	4,122	3,814	2,094	26,099
70,504	28,552	59,701	66,878	33,688	3,24,754
1,03,565	46,914	87,780	1,16,090	51,203	5,85,111
+ 1,24,949	+ 1,28,210	+ 3,07,233	+ 41,801	+ 95,159	+ 8,64,876

FOREST DEPARTMENT OF THE
Annual Account Current for the

RECEIPTS.

	Amount	Amount.
	Rs. a. p.	Rs. a. p.
CASH BALANCE ...	...	...
VIII.—ASSESSED TAXES ...	...	...
Income tax—Deductions from salaries ...	...	3,778 2 6
REVENUE DURING THE YEAR ...	...	10,25,194 13 7
XII—INTEREST ...	...	372 0 0
OTHER CIVIL HEAD (as detailed below) ...	...	...
S-B Deposits—Bank Accounts—General Provident Fund ...	...	7,261 0 0
Personal Deposits—Lady Minto's Nursing Association Fund ...	...	27 0 0
FOREST DEPOSITS ...	...	1,477 5 0
Advances for Military Grass operations ...	95,834 7 11	...
ADVANCES RECOVERABLE ...	...	...
House Building Advances ...	350 0 0	...
Forest Advances ...	5,354 22 0 4	...
Objection Book Advances ...	3,218 4 8	...
Hutting Advances for Plague ...	230 2 8	...
Advances for purchase of Motor car ...	1,275 0 0	...
Total ...	6,36,329 15 7	6,36,329 15 7
CASH REMITTANCES—LOCAL—FOREST REMITTANCES—		
Forest cheques drawn ...	6,65,521 5 10	...
Forest Remittances Miscellaneous ...	2,689 1 3	...
Inter Divisional Transfers ...	4,873 3 4	...
Discount on sale of Forest Stamps ...	32,031 8 11	...
Total ...	7,05,115 3 4	7,05,115 3 4
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS—		
Account between India and Central Provinces ...	...	9,023 0 0
III.—Items adjustable by India General Provident Fund War Bonds 1920 ...	...	30 0 0
IV.—Items adjustable by Central Provinces, Miscellaneous ...	...	5,004 15 2
Account between Central Provinces and Bengal ...	...	...
III.—Items adjustable by Miscellaneous ...	...	806 0 8
Account between Central Provinces and Bombay ...	...	...
III.—Items adjustable by Central Provinces Miscellaneous ...	...	1,805 13 0
IV.—Items adjustable by Bombay Miscellaneous ...	...	9,006 7 0
Account between Central Provinces and Bihar and Orissa ...	...	267 13 5
III.—Items adjustable by Central Provinces Miscellaneous ...	...	...
Account between Central Provinces and Military Supply ...	...	835 15 0
III.—Items adjustable by Civil ...	...	...
IV.—Items adjustable by Military Miscellaneous payments ...	...	3,395 4 0
Account between Central Provinces and Military ...	...	...
V.—Mhow Division—Miscellaneous payments ...	...	...
IV.—Items adjustable by Military ...	...	850 0 0
INTER-DEPARTMENTAL TRANSFERS—		
P. W. Remittances. III Other Remittances ...	...	212 0 0
(a) Items adjustable by Public Works Department ...	...	...
Account between Central Provinces and Public Works Department ...	...	...
Railway Branches I. M. Railway ...	...	...
IV.—Items adjustable by P. W. Department Miscellaneous I. M. Railway ...	...	120 0 0
Expense Account War Loan Subscription under the Bank of Bengal Scheme ...	...	...
Do. War Loan 1920-47 ...	...	275 0 0
Do. War Bonds 1920 ...	...	73 0 0
Post and Telegraph Department ...	...	721 12 6
Miscellaneous ...	...	88 12 0
GRAND TOTAL ...	...	34,14,073 4 3

[PRESCRIBED].

NORTHERN CIRCLE, CENTRAL PROVINCES.

Forest year 1916-17.

PAYMENTS.

		Amount.		Amount.	
		Rs. a p		Rs. a. p.	
I.—REFUNDS AND DRAWBACKS	..	...		1,976	11 10
EXPENDITURE DURING THE YEAR	..	...		578,655	7 9
OTHER CIVIL HEADS (as detailed below)	..	...		...
Refund and Drawbacks	...	...		...
Income-tax	..	...		0	3 4
S.B-Deposits—Bank Accounts General Provident Fund	...	...		8,039	13 8
FOREST DEPOSITS	..	...		1,468	11 0
ADVANCES RECOVERABLE—					
House Building advance	...	120	0 0		
Forest Advances	...	5,39	168 4 2		
Objection Book Advances	...	2,618	0 0		
Hutting advances on account of plague	...	280	0 0		
Advances for Military Grass operations	...	95,677	14 11		
Total	..	6,37,864	3 1	6,37,864	3 1
CASH REMITTANCES—LOCAL—FOREST REMITTANCES	..	...		...
Remittances to Treasuries	...	4,80,592	10 10		
Inter-Divisional Transfers	..	2,373	4 8		
Forest stamps adjusted	...	5,24,148	12 2		
Forest Remittances Miscellaneous	...	19	3 0		
Total	..	10,07,133	14 8	10,07,133	4 8
EXCHANGE ACCOUNTS WITH OTHER GOVERNMENTS—	..	...		...
Account between India and Central Provinces	...	...		...
III.—Items adjustable by India Miscellaneous	...	...		2,138	13 6
IV.—Items adjustable by Central Provinces Miscellaneous	..	...		9	2 0
Account between Central Provinces and United Provinces	..	...		...
III.—Items adjustable by Central Provinces	..	...		10,447	11 5
Account between Central Provinces and Military and Rawalpindi Division	..	...		...
IV.—Items adjustable Military Emigrant advances	..	...		540	0 0
Account between Central Provinces and Military Supply Account	...	...		...
IV.—Items adjustable by Military miscellaneous payments	..	...		4,245	4 0
Account between Central Provinces and Military 5th Mhow Division	...	...		...
IV.—Items adjustable by Military Miscellaneous	..	...		1,52,233	1 0
INTER-DEPARTMENTAL TRANSFERS—					
Public Works Department Remittances III—Other Remittances (a) Items adjustable by Public Works Department	...	...		1,050	1 5
Account between Central Provinces and Public Works Department, Railway Branch, I. M. Railway.	...	...		...
IV.—Items adjustable by Public Works Department Miscellaneous, I. M. Railway	...	...		240	0 0
GRAND TOTAL	...	...		24,12,073	4 9

FOREST DEPARTMENT OF THE
Annual Account Current for the

RECEIPTS.

	Amount.			Amount.		
	Rs.	a	p.	Rs.	a	p.
CASH BALANCE
III.—ASSESSED TAXES
Income Tax—Deductions from salaries	4,579	2	5
REVENUE DURING THE FOREST YEAR 1910-17	9,41,447	3	3
III.—INTEREST	741	8	11
OTHER CIVIL HEAD (as detailed below)	2,230	2	6
S.-B. Deposits—Bank Accounts—General Provident Fund	8,180	13	8
Personal Deposits—Lady Minto Nursing Association Fund	6	0	0
FOREST DEPOSITS	1,646	8	0
ADVANCES RECOVERABLE—
Advances for military grass operations	58,258	5	3
Housing Building Advances	220	0	0
Forest Advances	6,61,545	1	7
Objection Book Advances	4,881	8	0
Housing Advances on account of Plague	1,126	8	0
SUSPENSE ACCOUNT—Presidency Bank Scheme War Bonds 1920 and 1922	180	0
CHEQUES AND BILLS—Forest Department Cheques	6,000	0
CASH REMITTANCES—LOCAL—FOREST REMITTANCES—
Forest cheques drawn	6,82,664	12	6
Revenue Remittances written back	2	0	0
Discount on sale of Forest Stamps	24,511	6	0
Inter-Divisional Transfers	5,982	15	1
Forest Remittances Miscellaneous	818	5	8
III.—Other Remittances Public Works Department Remittances	7,13,979	7	3
	255	8	9
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS—
Account between India and Central Provinces
III.—Items adjustable by India	11,005	11	0
IV.—Items adjustable by Central Provinces	2,596	1	8
Account between Central Provinces and Bengal
III.—Items adjustable by Central Provinces	83	12	0
IV.—Items adjustable by Bengal
Account between Central Provinces and Bombay
III.—Items adjustable by Central Provinces	9,006	7	0
IV.—Items adjustable by ————
Accounts between Central Provinces and Burma
III.—Items adjustable by Central Provinces	101	15	2
Account between Central Provinces and United Provinces
III.—Items adjustable by Central Provinces	331	15	3
Account between Central Provinces and Bihar and Orissa
III.—Items adjustable by Central Provinces	476	9	0
IV.—Items adjustable by Bihar and Orissa	20	0	0
Account between Central Provinces and Military 5th Mhow Division	1,498	12	8
III.—Items adjustable by Central Provinces
IV.—Items adjustable by Military
Account between Central Provinces and Military 6th Poona Division
IV.—Items adjustable by Military	1,786	11	0
Account between Central Provinces and Military and Rawalpindi Division
IV.—Items adjustable by Military	430	11	10
Account between Central Provinces and Military Supply Accounts
III.—Items adjustable by Civil	1,042	8	6
	28,381	3	1
INTER-DEPARTMENTAL TRANSFERS—
Public Works Department Ordinary Branches
" " Railway Branches
Military " Northern Circle
" " Eastern " "
" " Western " "
" " Secunderabad Division
" " Burma Division
" " Military Supply
Post and Telegraph Department	963	15	0
Mine Department
GRAND TOTAL	24,34,621	15

[PRESCRIBED] —(Contd.)

SOUTHERN CIRCLE, CENTRAL PROVINCES.

Forest year 1915-17

PAYMENTS.

	Amount		Amount.	
	Rs.	p.	Rs.	a. p.
1. REVENUE AND DRAWBACKS	1,343	8 0
EXPENDITURE DURING THE FOREST YEAR 1915-17	5,91,984	9 7
OTHER CIVIL HEADS (as detailed below) —				
S. B. Deposits—Bank Accounts—General Provident Fund...	881	6 5
Civil Deposits Trust interest fund ordinary	8	9 4
FOREST DEPOSITS	1,811	1 8
ADVANCES RECOVERABLE.—				
Advances for military grass operations	...	58,238	5 3	
House Building Advances
Forest Advances	...	6,55,727	14 5	
Objection Book Advances	...	4,883	8 0	
Hutting Advances on account of Plague	...	275	10 8	7,20,145 6 4
SUSPENSE ACCOUNT
CASH REMITTANCES—LOCAL—FOREST REMITTANCES—				
Remittances to Treasuries	...	3,01,069	10 7	
Forest Stamps adjusted	...	4,02,122	13 6	
Inter-Divisional Transfers	...	10,870	13 9	
Forest Remittances—Miscellaneous	...	39	3 4	9,14,102 9 2
III.—Other Remittances Public Works Department Remittances	200 12 5
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS—				
Account between India and Central Provinces
III.—Items adjustable by India	...	1,062	14 8	
IV.—Items adjustable by Central Provinces	...	38,945	2 0	
Account between Central Provinces and Bihar and Orissa
III.—Items adjustable by Central Provinces
IV.—Items adjustable by Bihar and Orissa	...	77	3 5	
Account between Central Provinces and Military 5th Mhow Division
III.—Items adjustable by Central Provinces
IV.—Items adjustable by Military Miscellaneous	...	1,63,416	13 10	
Account between Central Provinces and Military Supply Account
III.—Items adjustable by Central Provinces	...	1	8 6	
IV.—Items adjustable by ————
Account between Central Provinces and Burma
III.—Items adjustable by Central Provinces	...	6	13 7	
Accounts between Civil and Military 6th Poona Division
IV.—Items adjustable by Military Miscellaneous	...	78	0 0	2,03,589 2 0
INTER-DEPARTMENTAL TRANSFERS—				
P. W. Department, Ordinary Branches
" " Railway Branch
Military " Northern Circle
" " Eastern " "
" " Western " "
" " Secunderabad Division
" " Burma Division
" " Military Supply
Post and Telegraph Department
Mines Department
Total	24,34,067	6 11
CASH BALANCE	534 8 9
GRAND TOTAL	24,34,601	15 8

FOREST DEPARTMENT OF THE

Annual Account Current from

RECEIPTS.

	Amounts.			Amounts.		
	Rs.	a	p	R	a	p
CASH BALANCE ..	...			...
VIII.—ASSESSED TAXES ..	...			...
Income Tax—Deductions from same.	...			4,680	1	8
REVENUE DURING THE YEAR ..	...			14,50,547	5	5
XII.—INTEREST ..	...			333	10	8
OTHER CIVIL HEAD (as detailed below) ..	...			...
S. B. Deposits—Bank Accounts—General Provident Fund ..	8,710	0	0	...		
Personal Deposits—Lady Minto's Nursing Association Fund ..	21	0	0	8,731	0	0
FOREST DEPOSITS ..	...			3,947	14	7
ADVANCES RECOVERABLE ..	...			...
House Building Advances ..	6	0	0	...		
Forest Advances ..	66,791	3	4	...		
Objection Book Advances ..	4,083	14	8	...		
Hutting Advances on account of Plagu ..	409	11	2	...		
Advances for purchase of Motor car ..	2,111	1	8	...		
Advances on account of grass operations military ..	15,636	11	0	...		
Total ..	...			5,89,038	9	10
CASH REMITTANCES—LOCAL—FOREIGN REMITTANCES—	...			...
Forest cheques drawn ..	6,14,105	3	2	...		
Remittances Miscellaneous ..	425	13	3	...		
Inter-Divisional Transfer ..	5,941	13	9	...		
Discount on sale of Forest Stamps ..	4,710	15	6	6,37,583	13	8
Cheques and bills—Departmental Forest cheques ..	...			2,700	0	0
P. W. Remittances—III other Remittances—(d) Items adjustable by Public Works Department ..	...			1	1	8
Suspense on account of War loan—Subscription under the Presidency Bank Scheme—War bonds 1920 ..	...			155	0	0
Total ..	...			26,97,818	9	6
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS.—	...			...
Recoveries on account of War Bonds 1920 ..	340	0	0	...		
Recoveries on account of War bonds 1922 ..	20	0	0	...		
Account between India and Central Provinces ..	...			...
Forest Officer's Provident Fund ..	...			...
U. S. F. P. Fund ..	1,349	9	7	...		
General Provident Fund Imperial ..	409	3	0	...		
Miscellaneous ..	8,011	2	0	...		
Account between Central Provinces and Bombay ..	2,939	12	4	13,069	10	11
II.—Items adjustable by Central Provinces—Miscellaneous ..	...			...
Account between Central Provinces and Military ..	1,593	5	3	1,593	5	3
III.—Items adjustable by Military Supply Account Civil ..	...			...
Account between Central Provinces and Military 6th Poona Division ..	518	2	0	518	2	0
III.—Items adjustable by Central Provinces ..	...			...
IV.—Items adjustable by Military Miscellaneous Receipts ..	89	10	0	89	10	0
Account between India and Central Provinces ..	...			...
III.—Items adjustable by Central Provinces ..	...			...
IV.—Items adjustable by— ..	...			...
Total ..	...			...
INTER-DEPARTMENTAL TRANSFERS—	...			...
P. W. Department Ordinary Branches ..	...			...
" " Railway Branches ..	...			...
Military " Northern Circle ..	...			...
" " Eastern " ..	...			...
" " Western " ..	...			...
" " Secunderabad Division ..	...			...
" " Burma Division ..	...			...
" " Military Supply ..	...			...
Post and Telegraph Department ..	...			...
Marine Department ..	681	9	4	681	9	4
Total ..	...			...
GRAND TOTAL ..	...			27,13,779	15	6

[PRESCRIBED].—(Conclu.)

BERAR CIRCLE, CENTRAL PROVINCES

July 1916 to June 1917

PAYMENTS.

	Amount	Amount..
	R. a. p.	R. a. p.
I—REFUNDS AND PRAWDACKS FOREST		1,264 0 5
EXPENDITURE DURING THE YEAR		5,35,771 7 0
OTHER CIVIL HEADS (as detailed below)		
S. B. Deposits—Bank Accounts—General Provident Fund	2,524 0 0	2,524 0 0
FOREST DEPOSITS		4,023 3 10
ADVANCES RECOVERABLE		
House Building Advances	30 0 0	
Forest Advances	5,78,205 2 1	
Objection Book Advances	4,262 10 3	
Hutting Advances on account of Plague	445 0 0	
Advances for Motor car	1,500 0 0	
Advances on account of grass operations military	5,636 11 0	
Total		6,00,999 7 9
CASH REMITTANCES—LOCAL—FOREST REMITTANCES—		
Remittances to Treasuries	12,27,435 1 4	
Forest Remittances Miscellaneous	101 0 0	
Inter-Divisional Transfers	7,862 0 0	
Forest stamps adjusted	2,8,989 0 0	
Total		14,60,482 5 4
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS—		
Account between India and Central Provinces		
III.—Items adjustable by India		
IV.—Items adjustable by Central Provinces Miscellaneous	100 0 0	100 0 0
Account between Central Provinces and Military		
III.—Items adjustable by Central Provinces		
IV.—Items adjustable by 5th Mhow Division Military Miscellaneous payments	59,195 6 4	59,195 6 4
Account between Central Provinces and Military Supply Account		
Military Supply Account		
III.—Items adjustable by Central Provinces		
IV.—Items adjustable by Military	89 10 0	89 10 0
Account between Central Provinces and Military 6th Poona Division		
III.—Items adjustable by Central Provinces		
IV.—Items adjustable by Military Miscellaneous payments	89 10 0	89 10 0
Account between Central Provinces and—		
III.—Items adjustable by Central Provinces		
IV.—Items adjustable by—		
Total		
INTER-DEPARTMENTAL TRANSFERS.—		
P. W. Department Ordinary Branches		
Railway Branch		
I. M. Railway Miscellaneous	229 7 7	229 7 7
Military Department Northern Circle		
Eastern		
Western		
Secunderabad Division		
Burma Division		
Military Supply		
Post and Telegraph Department		
Marine Department		
Total		
CASH BALANCE		
GRAND TOTAL		57,13,770 15 0

ANNUAL FORM No 36.—Revenue received and outstandings on account of Revenue during the year 1916-17.

Division	Particulars	Outstanding at commencement of the year	Value of sales and other receipts during the year	Total	Amount received during the year	Balance due to the department at end of year	Remarks
		1	2	3	4	5	6
WORTH CIRCLE							
Director	Miscellaneous		49 0 0	13 0 0	13 0 0		
North Mandla (a)	Timber and other produce	7 0 0	1,160 6 6	1,167 6 6	1,167 6 6	1,144 3 0	Amount includes the following— A—Amount deducted as correction of entries in the accounts B—Amount written off as irrecoverable
South Mandla (b)	Do.	15,548 1 0	1,031 3 0	16,579 4 0	16,579 4 0	15,630 1 0	
Jubbulpore District (c)	Do.	1,000 0 0	9,951 9 9	10,951 9 9	10,951 9 9	10,951 9 9	
Damoh (d)	Do.	1,000 10 0	1,328 0 0	2,328 0 0	2,328 0 0	2,048 4 0	
Wangar (e)	Do.	0,500 8 0	1,462 5 0	1,962 5 0	1,962 5 0	1,672 0 0	
Hoshangabad (f)	Do.	1,100 0 0	2,000 0 0	3,100 0 0	3,100 0 0	900 0 0	
Seoni (g)	Do.	707 0 0	1,011 5 0	1,718 5 0	1,718 5 0	1,100 0 0	
Chhindwar (h)	Do.	853 0 0	1,100 1 0	1,953 1 0	1,953 1 0	1,625 5 0	
	Total	5,173 11 0	10,140 0 5	15,313 11 5	15,313 11 5	11,318 11 0	
SOUTHERN CIRCLE							
Director	Miscellaneous		3 4 0	3 4 0	3 4 0		
Balaghat	Timber and other produce	1,566 11 8	1,612 0 9	3,178 12 7	3,178 12 7	3,098 3 0	
Balaghat School	Miscellaneous		4,124 10 4	4,124 10 4	4,124 10 4		Includes Rs. 1 written off as irrecoverable.
Bhandara	Timber and other produce	1,770 8 0	1,187 12 8	2,957 10 8	2,957 10 8	4,651 0 0	
Bilaspur	Do.		1,044 3 10	5,044 3 10	5,044 3 10		
North Chanda	Do.	1,513 10 0	1,413 9 5	2,926 19 5	2,926 19 5	1,209 2 1	
South Chanda	Do.	2,021 0 4	3,300 4 5	5,321 4 9	5,321 4 9	3,440 05 11 8	
Nagpur-Wardha	Do.	8,017 11 0	1,033 30 10	9,050 41 0	9,050 41 0	7,580 11 0	
North Raipur	Do.	145 8 0	5,013 10 1	5,158 18 1	5,158 18 1	55 0 0	
South Raipur	Do.	3,084 2 10	8,215 12 0	11,299 14 0	11,299 14 0	1,737 5 4	Includes Rs. 104-12-0 written off as irrecoverable.
	Total	23,302 4 5	10,728 2 11	34,030 6 6	34,030 6 6	30,397 8 1	Includes Rs. 189 written off as irrecoverable.
BERAR CIRCLE							
Director	Sales of timber and other forest produce and miscellaneous sources		220 6 8	220 6 8	220 6 8		
Mughat	Do.	512 6 6	1,68,422 10 8	1,68,934 16 4	1,68,934 16 4	11,044 3 3	
Amraoti	Do.	20 0 0	1,70,073 5 4	1,70,093 5 4	1,70,093 5 4	25,581 5 4	
Balsona	Do.	320 0 0	1,54,859 1 0	1,55,179 1 0	1,55,179 1 0		
Yestoi	Do.		3,95,012 9 6	3,95,012 9 6	3,95,012 9 6		
Akola	Do.		1,75,831 12 4	1,75,831 12 4	1,75,831 12 4	708 0 0	
Nimar	Do.	33 14 0	2,28,770 8 3	2,28,803 9 3	2,28,803 9 3	200 7 0	
Metil	Do.	1,310 0 0	1,05,772 1 5	1,07,082 1 5	1,07,082 1 5	2,927 0 0	
	Total	2,296 4 0	14,86,911 7 11	14,89,207 12 5	14,89,207 12 5	38,380 14 7	
TOTAL CENTRAL PROVINCES AND BERAR.		2,94,791 4 9	31,70,930 2 2	34,71,137 0 0	34,71,137 0 0	76,768 11 7	

